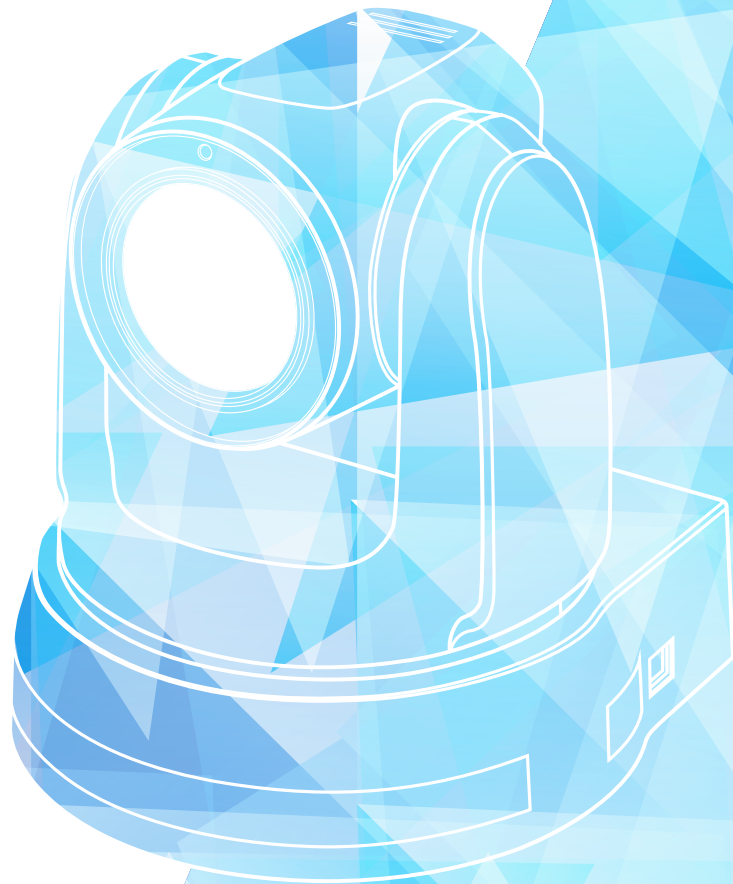


PRODUCT CATALOG

2017 Version



Global Locations

Lumens Digital Optics was founded in 1998, with an annual revenue of \$70 million and employs more than 200 people worldwide.

The company is invested by an EMS foundry manufacturer, PEGATRON, that is well-known for IT products and one of the members of the ASUS Group, a leading manufacturer of computer products.

The company is headquartered in Hsinchu, Taiwan, with manufacturing facilities in Taiwan and Suzhou, China. Branch offices are located in Silicon Valley (the United States), Belgium (Europe), Shanghai (China), and Santiago (Chile) as sales and service sites. In the United Kingdom, Australia, India, Chile, and Brazil there are independent salesmen for the management of local dealers. Shipping warehouses are located in California, the United States and Rotterdam, the Netherlands to shorten product delivery time.

Product maintenance sites are further located in the Czech Republic, Europe and Arizona, the United States to support customers for local maintenance.

In order to provide the best products and services, Lumens has established more than 100 locations in 44 countries around the world. We attach great importance to every step of the product cycle, from the rigorous screening and training of our sales channels to product operation instructions, online user Q & A, warranty maintenance, and customer satisfaction.

We believe that sales performance is linked to customer satisfaction. Therefore, providing the best products, highest customer service, and user satisfaction are our top goals.

Global Sites



Table of Contents

4K and HD PTZ Cameras

VC-A70H	4K Ultra HD PTZ Camera	5-6
VC-A60S	High Definition Video Camera	7-8
VC-A50S	High Definition Video Camera	9-10
VC-G50	High Definition Video Camera	11-12
VC-G30	High Definition Video Camera	13-14
VC-G30SU	HD PTZ USB Camera Solution	15-16
VC-A20P	High Definition PTZ IP Camera	17-18
VC-B20U	HD PTZ USB Camera	19-20
VC-B20UA	USB 3.0 HD PTZ Camera with Speakerphone Kit	21-22
VS-LC102	CaptureVision Station	23-24
VS-K20	Compact Camera Controller	25
VC-HDRX / HDTX	HDBaseT Extension Kit	26
ACCESSORIES	Optional Accessories for PTZ Cameras	27-28

Document Cameras

CL-510	High-Definition Document Camera	29-30
PS-752	High-Definition Document Camera	31-32

Document Cameras

DC-193	High-Definition Document Camera	33-34
PC-193	High-Definition Document Camera	35-36
DC-170	High-Definition Document Camera	37-38
DC-125 Flyer	DC125 Document Camera and DC-W50 Wireless Base	39-40
DC-125	Ultra-Portable High-Definition Document Camera	41-42
DC-W50	Wireless Base	43-44
ACCESSORIES	Optional Accessories for Document Cameras	45-46

VC-A70H

Lumens First 4K Ultra HD PTZ Camera

Key Features

- 4K UHD with 30 fps and 1080p with 60 fps
- 12x optical zoom
- 74 degrees Horizontal Field of View (HFoV)
- Built-in tally light
- HDBaseT interface carries power, video and control through one CAT5e/6 cable
- 128 preset positions



Color Options: Black / White

Product Specifications

Sensor	1/2.3" 9MP CMOS	Aperture	F1.8~F2.0
Video Output	3840 x 2160p 29.97 / 25 fps 1080p 59.94 / 50 fps 1080i 59.94 / 50 fps 720p 59.94 / 50 fps NTSC / PAL	Tally Light	Yes
Optical Zoom	12x	PoE	Yes (IEEE802.3af)
Clear Image Zoom	1.67x (4K:20x) 2.0x (1080P:24x)	Camera Control Interface	RS232C / RS422
Digital Zoom	12x	Camera Control Protocol	VISCA, PELCO D
Video Output Interface	HDBaseT, HDMI	Minimum Illumination	3.0 lux (F1.8, 50 IRE, 30 fps)
Horizontal Viewing Angle	74°	Minimum Object Distance	T:150 cm W:1 cm
Panning Angle	-170° ~ +170°	Gain Control	Auto/Manual
Tilting Angle	-30° ~ +90°	White Balance	Auto, Indoor, Outdoor, One-Push, Manual
Preset Positions	128	Exposure Control	Auto, Manual
Panning Speed	300°/sec	Focus System	Auto, Manual
Tilting Speed	300°/sec	WDR	Yes
Video S/N Ratio	> 50dB	Image Flip	Yes
Shutter Speed	1/1~1/10,000	3D NR	Yes
Focal Length	3.9 mm ~ 46.8 mm	Dimensions	174 x 170.2 x 186.8 mm (6.9" x 6.7" x 7.4")
		Weight	2.0 Kg

Applications



Education & Training



Lecture Recording



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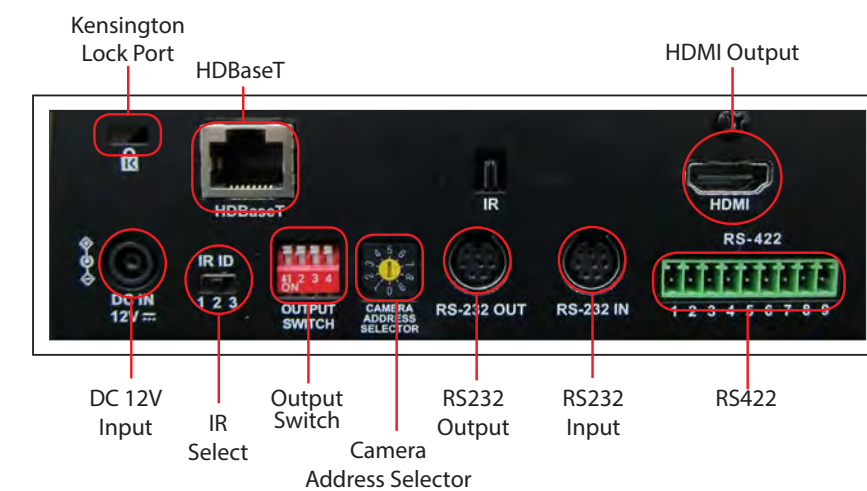


Broadcasting



Conference Room

I/O Connections



Accessories

- VISCA cable extender (VC-AC07)
- Wall mount for VC-GXX and VC-AXX cameras (VC-AC08)

VC-A60S

High Definition Video Camera

Key Features

- Full HD 1080p with 60 fps
- 30x optical zoom
- 3G-SDI, DVI, Component, C-Video output
- 128 preset positions
- Supports Wide Dynamic Range (WDR)
- Wide Pan/ Tilt/ Zoom mechanism:
 - Horizontal viewing angle: -170° to +170°
 - Tilting angle: +90° to -30°



Color Options: Black / White

Applications



Education & Training



Lecture Recording



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Broadcasting

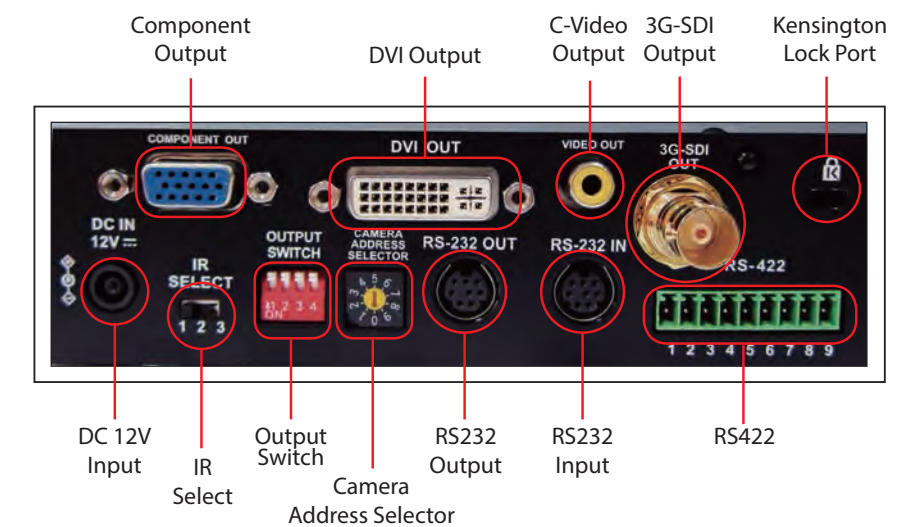


Conference Room

Product Specifications

Sensor	1/2.8" 2 MP CMOS	Horizontal Viewing Angle	65°
Video Output	1080p 60 / 59.94 / 50 / 29.97 fps 1080i 60 / 50 fps 720p 60 / 59.94 / 50 fps 720p 30 / 29.97 / 25 fps NTSC / PAL	Minimum Illumination	0.1 lux (F1.6, 50IRE, 30fps)
Optical Zoom	30x	Minimum Object Distance	10mm (Wide) ~ 1200 mm (Tele)
Panning Angle	-170° ~ +170°	Digital Zoom	12x
Tilting Angle	-30° ~ +90°	Gain Control	Auto, manual
Preset Positions	128	White Balance	Auto, indoor, outdoor, one-push, manual R/B Gain
Video Output(HD) Interface	Component, DVI, 3G-SDI	Exposure Control	Auto, manual
Video Output(SD) Interface	CVBS (C-Video)	Focus System	Auto, manual
Camera Control Interface/ Protocol	RS-232 / RS-422	Image Flip	Yes
Video S/N Ratio	> 50dB	Weight	2.0 kg (4.4 lbs)
Aperture	F1.6-F4.7	Dimensions (W x D x H)	Black 174 x 186 x 182.7 mm (6.9" x 7.3" x 7.2") White 174 x 186 x 185.7 mm (6.9" x 7.3" x 7.3")

I/O Connections



Accessories

- HDCI cable (VC-AC02)
- VISCA cable extender (VC-AC06)
- VISCA cable extender (VC-AC07)
- Wall mount for VC-GXX and VC-AXX cameras (VC-AC08)

VC-A50S

High Definition Video Camera

Key Features

- Full HD 1080p with 60 fps
- 20x optical zoom
- 3G-SDI, DVI, Component, C-Video output
- 128 preset positions
- Supports Wide Dynamic Range (WDR)
- Wide Pan/ Tilt/ Zoom mechanism:
 - Horizontal viewing angle: -170° to +170°
 - Tilting angle: +90° to -30°

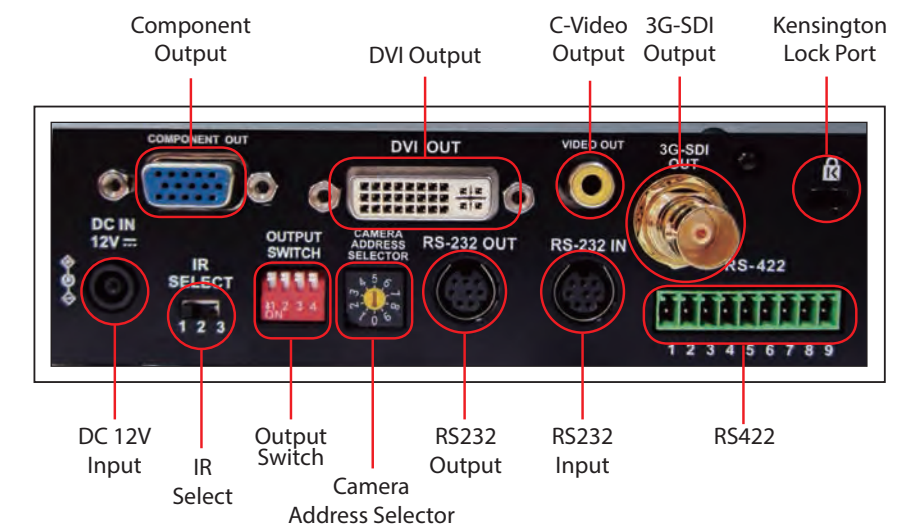


Color Options: Black / White

Product Specifications

Sensor	1/2.8" 2 MP CMOS	Focal Length	65°
Video Output	1080i 59.94 fps 1080p 60 / 59.94 / 50 / 30 / 29.97 fps, 1080i 50 / 60 fps, 720p 60 / 59.94 / 50 fps, 720p 30 / 25 fps, NTSC / PAL	Horizontal Viewing Angle	63°
Optical Zoom	20x	Aperture	F1.6 ~ 3.5
Panning Angle	-170° ~ +170°	Minimum Illumination	0.4 lux (F1.6, 50 IRE, 30fps)
Tilting Angle	-30° ~ +90°	Minimum Object Distance	300(Wide) ~ 1500(Tele) mm
Preset Positions	128	Digital Zoom	12x
Video Output(HD) Interface	Component, DVI, 3G-SDI	Gain Control	Auto, manual
Video Output(SD) Interface	CVBS (C-Video)	White Balance	Auto, indoor, outdoor, one-push, manual R/B Gain
Camera Control Interface/ Protocol	RS-232 / RS-422	Exposure Control	Auto, manual
Video S/N Ratio	> 50dB	Focus System	Auto, manual
Shutter Speed	1/1 ~ 1/10,000 sec	Image Flip	Yes
		Weight	2.0 kg (4.4 lbs)
		Dimensions (W x D x H)	Black 174 x 186 x 182.7 mm (6.9" x 7.3" x 7.2") White 174 x 186 x 185.7 mm (6.9" x 7.3" x 7.3")

I/O Connections



Accessories

- HDCI cable (VC-AC02)
- VISCA cable extender (VC-AC06)
- VISCA cable extender (VC-AC07)
- Wall mount for VC-GXX and VC-AXX cameras (VC-AC08)

Applications



Education & Training



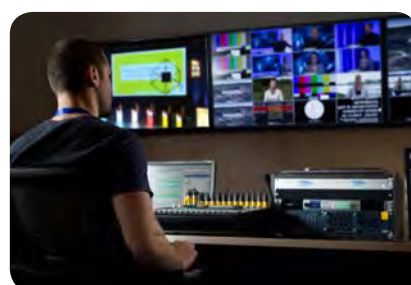
Lecture Recording



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Broadcasting



Conference Room

VC-G50

High Definition Video Camera

Key Features

- Full HD 1080p with 60 fps
- 128 preset positions
- 20x optical zoom
- 3G-SDI, DVI, Component, C-Video image output simultaneously
- Maximum horizontal/vertical speed of rotation: 300 degrees/ second



Product Specifications

Sensor	1/2.8" 2 MP CMOS	Focal Length	f = 4.7 ~ 94 mm
Video Output	1080p 60 / 59.94 / 50 / 29.97 fps 1080i 60 / 50 fps 720p 60 / 59.94 / 50 fps 720p 30 / 29.97 / 25 fps NTSC / PAL	Horizontal Viewing Angle	63°
Optical Zoom	30x	Aperture	F1.6 ~ 3.5
Panning Angle	-170° ~ +170°	Minimum Illumination	1.64 lux (F1.6, 50 IRE, 30fps)
Tilting Angle	-30° ~ +90°	Minimum Object Distance	300(Wide) ~ 1500(Tele) mm
Preset Positions	128	Digital Zoom	12x
Video Output(HD) Interface	Component, DVI, 3G-SDI	Gain Control	Auto, manual
Video Output(SD) Interface	CVBS (C-Video)	White Balance	Auto, indoor, outdoor, one-push, manual
Camera Control Interface/ Protocol	RS-232 / RS-422	Exposure Control	Auto, manual
Video S/N Ratio	> 50dB	Focus System	Auto, manual
Shutter Speed	1/1 ~ 1/10,000 sec	Image Flip	Yes
		Weight	2.0 kg (4.4 lbs)
		Dimensions (W x D x H)	174 x 186 x 182.7 mm (6.9" x 7.3" x 7.2")

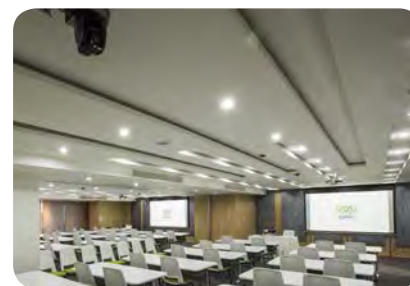
Applications



Education & Training



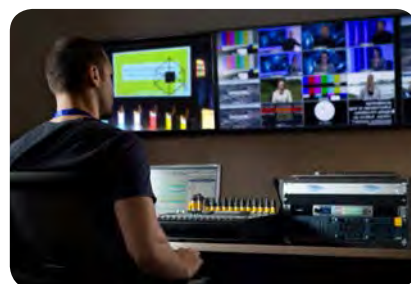
Lecture Recording



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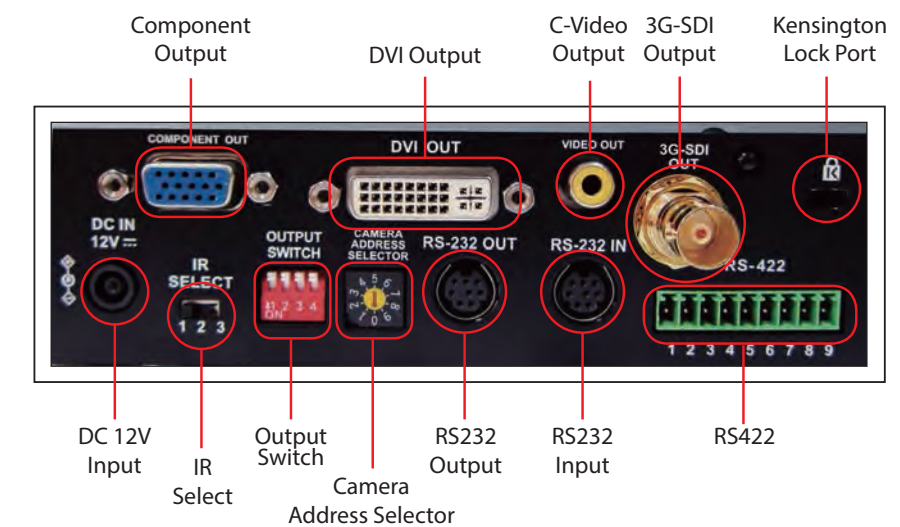


Broadcasting



Conference Room

I/O Connections



Accessories

- HDCI cable (VC-AC02)
- VISCA cable extender (VC-AC06)
- VISCA cable extender (VC-AC07)
- Wall mount for VC-GXX and VC-AXX cameras (VC-AC08)

VC-G30

High Definition Video Camera

Key Features

- Full HD 1080p with 60 fps
- 128 preset positions
- 15x optical zoom
- 3G-SDI, DVI, Component, C-Video image output simultaneously
- Maximum horizontal/vertical speed of rotation: 120 degrees/ second



Color Options: Black / White

Applications



Education & Training



Lecture Recording



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Broadcasting

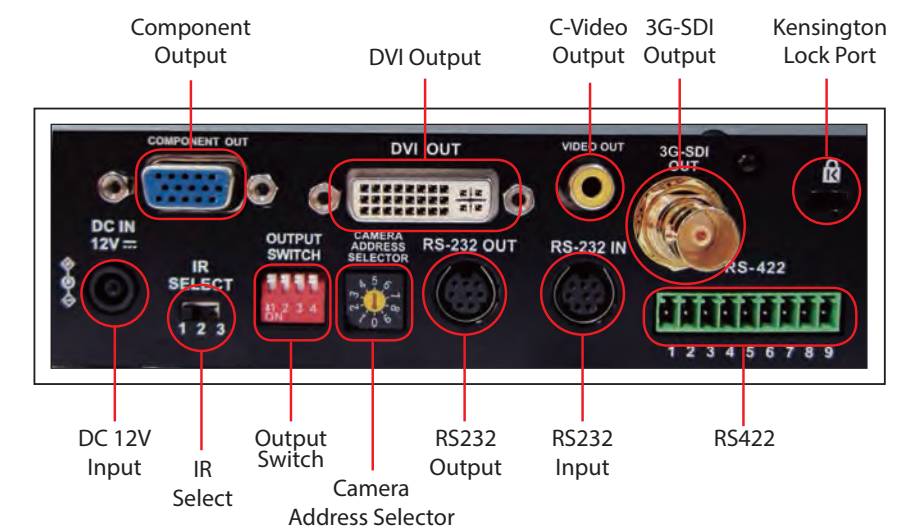


Conference Room

Product Specifications

Sensor	1/2.8" 2 MP CMOS	Horizontal Viewing Angle	63°
Video Output	1080p 60 / 59.94 / 50 / 30 / 29.97 fps, 1080i 50 / 60 fps, 720p 60 / 59.94 / 50 fps, 720p 30 / 25 fps, NTSC / PAL	Aperture	F1.6 ~ 3.5
Optical Zoom	15x	Minimum Illumination	1.64 lux (F1.6, 50 IRE, 30fps)
Panning Angle	-170° ~ +170°	Minimum Object Distance	100(Wide) ~ 1000(Tele) mm
Tilting Angle	-30° ~ +90°	Digital Zoom	12x
Preset Positions	128	Gain Control	Auto, manual
Video Output(HD) Interface	Component, DVI, 3G-SDI	White Balance	Auto, indoor, outdoor, one-push, manual
Video Output(SD) Interface	CVBS (C-Video)	Exposure Control	Auto, manual
Camera Control Interface/ Protocol	RS-232 / RS-422	Focus System	Auto, manual
Video S/N Ratio	> 50dB	Image Flip	Yes
Shutter Speed	1/1 ~ 1/10,000 sec	Weight	2.0 kg (4.4 lbs)
Focal Length	f = 4.7 ~ 70.5 mm	Dimensions (W x D x H)	Black 174 x 186 x 182.7 mm (6.9" x 7.3" x 7.2") White 174 x 186 x 185.7 mm (6.9" x 7.3" x 7.3")

I/O Connections



Accessories

- HDCI cable (VC-AC02)
- VISCA cable extender (VC-AC06)
- VISCA cable extender (VC-AC07)
- Wall mount for VC-GXX and VC-AXX cameras (VC-AC08)

VC-G30SU

HD PTZ USB Camera Solution

Key Features

- Full HD 1080p with 60 fps
- 15x optical zoom
- 3G-SDI, USB, DVI, Component, C-Video image output simultaneously
- USB 3.0 Plug & Play and compatible with Windows, Linux, Mac OSX
- Wide Pan/Tilt/Zoom mechanism:
 - Horizontal viewing angle: -170° to +170°;
 - Tilting angle: up to 90° to -30°
- Up to 128 user-defined preset modes to allow for ease of use in all environments



Color Options: Black / White

Applications



Education & Training



Lecture Recording



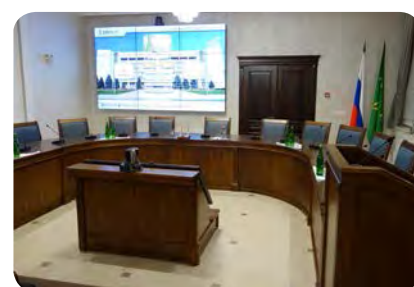
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Broadcasting

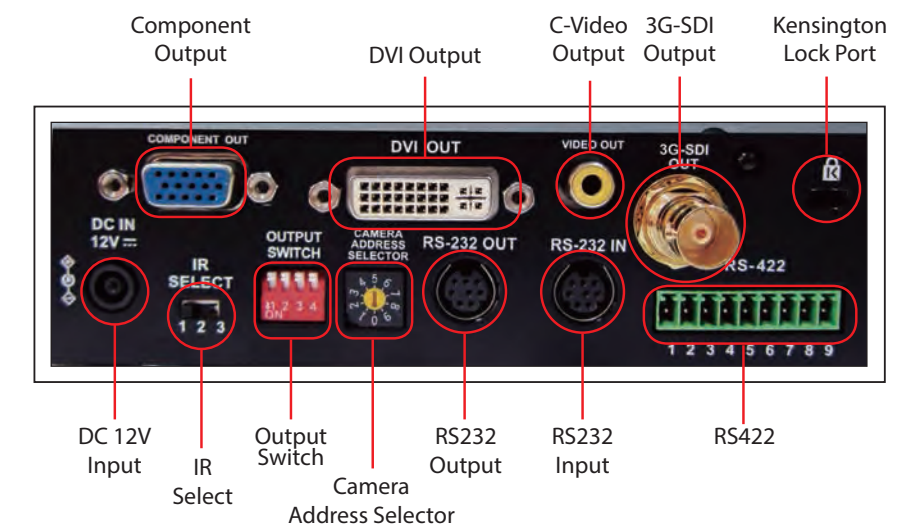


Conference Room

Product Specifications

Sensor	1/2.8" 2 MP CMOS	Horizontal Viewing Angle	63°
Video Output	1080p 60 / 59.94 / 50 / 30 / 29.97 fps, 1080i 50 / 60 fps, 720p 60 / 59.94 / 50 fps, 720p 30 / 25 fps, NTSC / PAL	Aperture	F1.6 ~ 3.5
Optical Zoom	15x	Minimum Illumination	1.64 lux (F1.6, 50 IRE, 30fps)
Panning Angle	-170° ~ +170°	Minimum Object Distance	100(Wide) ~ 1000(Tele) mm
Tilting Angle	-30° ~ +90°	Digital Zoom	12x
Preset Positions	128	Gain Control	Auto, manual
Video Output(HD) Interface	Component, DVI, 3G-SDI	White Balance	Auto, indoor, outdoor, one-push, manual
Video Output(SD) Interface	CVBS (C-Video)	Exposure Control	Auto, manual
Camera Control Interface/ Protocol	RS-232 / RS-422	Focus System	Auto, manual
Video S/N Ratio	> 50dB	Image Flip	Yes
Shutter Speed	1/1 ~ 1/10,000 sec	Weight	2.0 kg (4.4 lbs)
Focal Length	f = 4.7 ~ 70.5 mm	Dimensions (W x D x H)	Black 174 x 186 x 182.7 mm (6.9" x 7.3" x 7.2") White 174 x 186 x 185.7 mm (6.9" x 7.3" x 7.3")

I/O Connections



Accessories

- VISCA cable extender (VC-AC06)
- VISCA cable extender (VC-AC07)
- Wall mount for VC-GXX and VC-AXX cameras (VC-AC08)

VC-A20P

High Definition PTZ IP Camera

Key Features

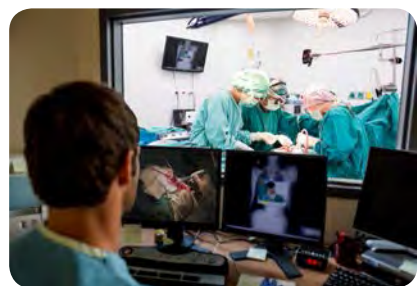
- Full HD 1080p with 60 fps
- 10x optical zoom
- Supports live broadcasting (H.264/MJPEG format, SVC and ONVIF protocol)
- Low latency (<120 ms)
- Ethernet, DVI-I, and C-Video image outputs simultaneously
- Audio Input Support AAC encoding with 44.1/48K sampling frequency



Product Specifications

Sensor	1/2.8" 2 MP CMOS	Focal Length	f = 5 ~ 50 mm
Video Output	1080p 60 / 59.94 / 50 / 30 / 29.97 fps, 1080i 50 / 60 fps, 720p 60 / 50 fps, NTSC / PAL	Horizontal Viewing Angle	56.5°
Optical Zoom	10x	Aperture	F1.8 ~ 3.0
Panning Angle	-170° ~ +170°	Minimum Illumination	1.0 lux (F1.8, 50IRE, 30fps)
Tilting Angle	-30° ~ +90°	Minimum Object Distance	100(Wide) ~ 1000(Tele) mm
Preset Positions	128	Gain Control	Auto, manual
Video Output(HD) Interface	DVI-I, Ethernet	White Balance	Auto, indoor, outdoor, one-push, manual
Video Output(SD) Interface	CVBS (C-Video)	Exposure Control	Auto, manual
Network Interface	ONVIF / RTSP Streaming / RTMP Streaming	Focus System	Auto, manual
Camera Control Interface/ Protocol	RS-232 / RS-422 / Ethernet	Image Flip	Yes
Video S/N Ratio	> 50dB	Audio Input (Line in)	Yes
Shutter Speed	1/1 ~ 1/10,000 sec	Weight	1.8 kg (4.0 lbs)
		Dimensions (W x D x H)	174 x 174.4 x 182.6 mm (6.9" x 6.9" x 7.2")

Applications



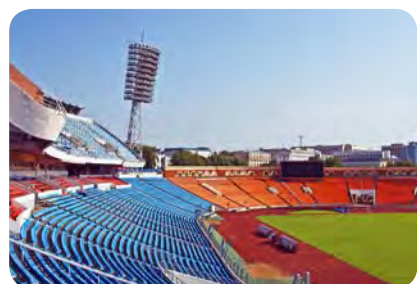
Education & Training



Lecture Recording



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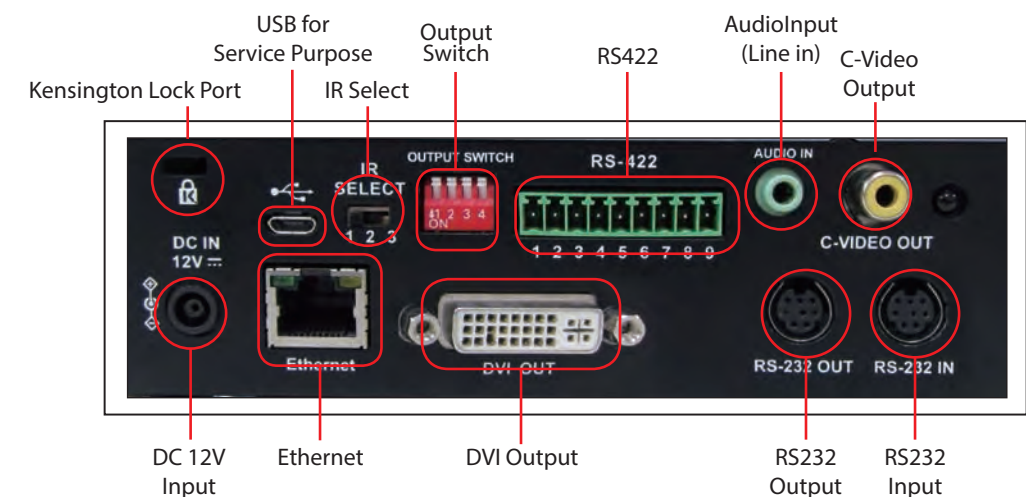


Broadcasting



Conference Room

I/O Connections



Accessories

- VISCA cable extender (VC-AC06)
- VISCA cable extender (VC-AC07)
- Wall mount for VC-GXX and VC-AXX cameras (VC-AC08)

VC-B20U

HD PTZ USB Camera

Key Features

- USB 3.0 Plug & Play and compatible with Windows, Linux, Mac OSX, Chrome OS
- Full HD 1080p with 60 fps
- 5x optical zoom is applicable for medium size conference rooms
- Horizontal viewing angle: 70°
- Wide range Pan/Tilt/Zoom actions:
 - Pan angle from -100° to +100°;
 - Tilting angle from -30° to +30°
- Up to 128 user-defined preset positions to allow for ease of use in all environments



Product Specifications

Sensor	1/2.8" 2 MP CMOS	Focal Length	f = 4 ~ 20 mm
Video Output	YUV2 and MJPEG format 1080p 60 / 50 / 30 / 25 fps 720p 60 / 50 / 30 / 25 fps 960x540 60 / 50 / 30 / 25 fps 640x480 60 / 50 / 30 / 25 fps 640x360 60 / 50 / 30 / 25 fps	Shutter Speed	1/1 ~ 1/10,000 sec
Optical Zoom	5x	Horizontal Viewing Angle	70°
USB 3.0	Yes	Aperture	F2.8 ~ 3.9
Panning Angle	-100° ~ +100°	Minimum illumination	1.6lux (F2.8, 50IRE, 60fps)
Tilting Angle	-30° ~ +30°	Minimum Object Distance	50(Wide) ~ 1000(Tele) mm
Preset Positions	128	Gain Control	Auto, manual
Video Output(HD) Interface	USB 3.0 and USB 2.0	White Balance	Auto, one-push, manual
Camera Control Interface/ Protocol	USB, RS-232	Exposure Control	Auto, manual
Video S/N Ratio	> 50dB	Focus System	Auto, manual
		Weight	1.3 kg (2.9 lbs)
		Dimensions (W x D x H)	267.8 x 123 x 156.1 mm (10.6" x 4.8" x 6.2")

Applications



Lecture Recording



Videoconferencing



Education & Training



Conference Room

I/O Connections



DC 12V
Input

RS-232
Input

USB 3.0

Accessories

- VISCA cable extender (VC-AC06)
- VISCA cable extender (VC-AC07)
- Wall mount for VC-GXX and VC-AXX cameras (VC-AC08)

VC-B20UA

USB 3.0 HD PTZ Camera with Speakerphone Kit

Key Features

- USB 3.0 Plug & Play and compatible with Windows, Linux, MAC OSX and Chrome OS
- Full HD 1080p with 60 fps
- Collaborates with a Jabra USB speakerphone
- 5x optical zoom is applicable for a medium size conference room
- Horizontal viewing angle: 70°



Applications



Lecture Recording



Videoconferencing



Education & Training



Conference Room

B20U Specifications

Sensor	1/2.8" 2 MP CMOS	Focal Length	f = 4 ~ 20 mm
Video Output	YUV2 and MJPEG format 1080p 60 / 50 / 30 / 25 fps 720p 60 / 50 / 30 / 25 fps 960x540 60 / 50 / 30 / 25 fps 640x480 60 / 50 / 30 / 25 fps 640x360 60 / 50 / 30 / 25 fps	Shutter Speed	1/1 ~ 1/10,000 sec
Optical Zoom	5x	Horizontal Viewing Angle	70°
USB 3.0	Yes	Aperture	F2.8 ~ 3.9
Panning Angle	-100° ~ +100°	Minimum illumination	1.6lux (F2.8, 50IRE, 60fps)
Tilting Angle	-30° ~ +30°	Minimum Object Distance	50(Wide) ~ 1000(Tele) mm
Preset Positions	128	Gain Control	Auto, manual
Video Output(HD) Interface	USB 3.0 and USB 2.0	White Balance	Auto, one-push, manual
Camera Control Interface/ Protocol	USB, RS-232	Exposure Control	Auto, manual
Video S/N Ratio	> 50dB	Focus System	Auto, manual
		Weight	1.3 kg (2.9 lbs)
		Dimensions (W x D x H)	267.8 x 123 x 156.1 mm (10.6" x 4.8" x 6.2")

Jabra SPEAK410 MS Specifications

Categories	Features	Benefits
Connectivity	USB	Plug-and-play connectivity to PC Softphone/UC systems
Audio	Built-in omni-directional microphone	360-degree coverage enabling hands-free collaboration & allows attendees to hear and be heard from all angles
	Digital Signal Processing (DSP) technology	Crystal clear sound without any distortion even at max volume level
	Wideband Audio/HD Voice	High quality audio for best possible sound
Easy to use	LED indicators	Intuitive user interface
	Built-in 3.5 mm headset port	Plug any headset to allow private conversations in open environments
Certification	Certified for Skype for Business	The SPEAK410 MS was certified by Skype for Business

Accessories

- VISCA cable extender (VC-AC06)
- VISCA cable extender (VC-AC07)
- Wall mount for VC-GXX and VC-AXX cameras (VC-AC08)

VS-LC102

CaptureVision Station

Key Features

- Supports up to four input sources concurrently, with Full HD
- Graphical user interface allows ease of use
- Easy installation
- Ability to produce microfilm instantly, without post-production
- Backup recorded video instantly
- Built-in 1TB hard drive



Applications



Education & Training



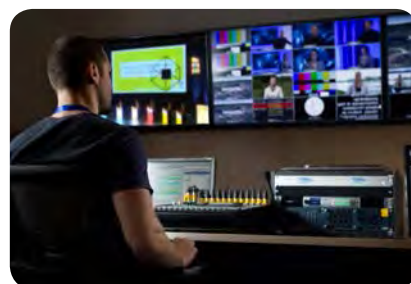
Lecture Recording



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House of Worship & Event



Broadcasting

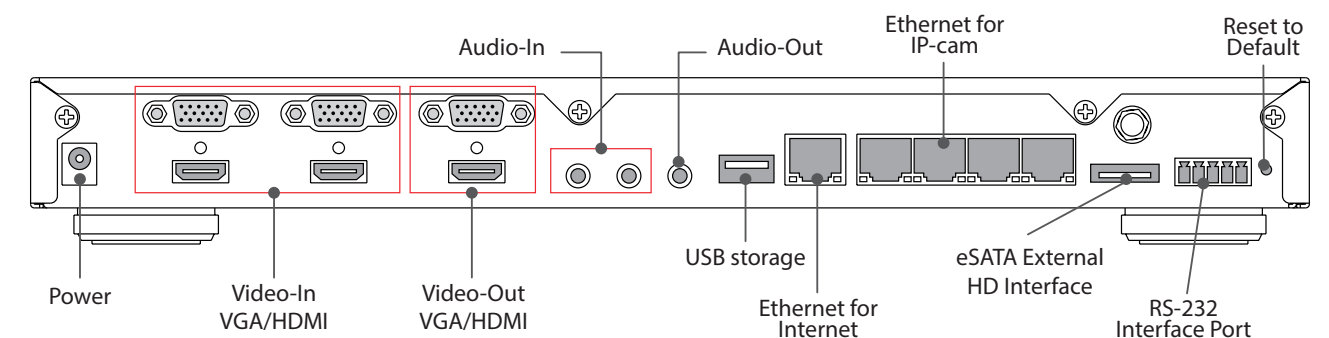


Conference Room

Product Specifications

Input Connection		Live Broadcasting	
Video Inputs*	HDMI/ VGA/ RJ-45	Share live streaming from CaptureVision Station	Yes, Multicast
Max. Video-In Channels	Maximum 4 channel synchronized recording	Webcasting	Supports Youtube Live, UStreaming, Adobe Media server
	HDMI/VGA: 2 channels Full HD network camera: 4 channels		
Audio Inputs	Line in, MIC x2	Playback	
Video Processing		Local File Playback	Yes
Video and Audio Recording Processing	Max. 1080p 30fps (H.264 / AVC), MP4 format	View Course Content on Any Device	Yes, viewer on webpage
Local Storage		Lecture Editing	
External Storage	USB / eSATA	Post-Lecture Editing	Yes, through web-based backstage
Internal Storage	Built-in 1TB hard disk	Auto Logo Title and Ending Insertion	Yes, through web-based backstage to insert logo title and endings when exporting lecture video
Video File Export		Dimensions	13.94 inch (L) x 7.4 inch (W) x 1.8 inch (H) 354mm(L) x 187.96mm(W) x 45.97mm(H)
Video File Export	USB Flash / FTP / SFTP		
Streaming	Main System Output	Weight	1.5 kg (3.3 lbs)
Streaming Format	Output: RTP, RTMP,	Station Control	Web-based backstage
Main Output Mode (Max.)	HDMI / VGA : 1080p/60fps	Local Display	
Recording		Display Layout	Full screen/ picture-in-picture/ multi-channel split screen, up to nine layouts
Recording Layout	Multi-View streaming, up to nine layouts		
Auto Logo Insertion During Recording	Yes, through web-based backstage management setting		
Auto Logo Insertion During Recording	Yes, through web-based back stage management setting		

I/O Connections



VS-K20

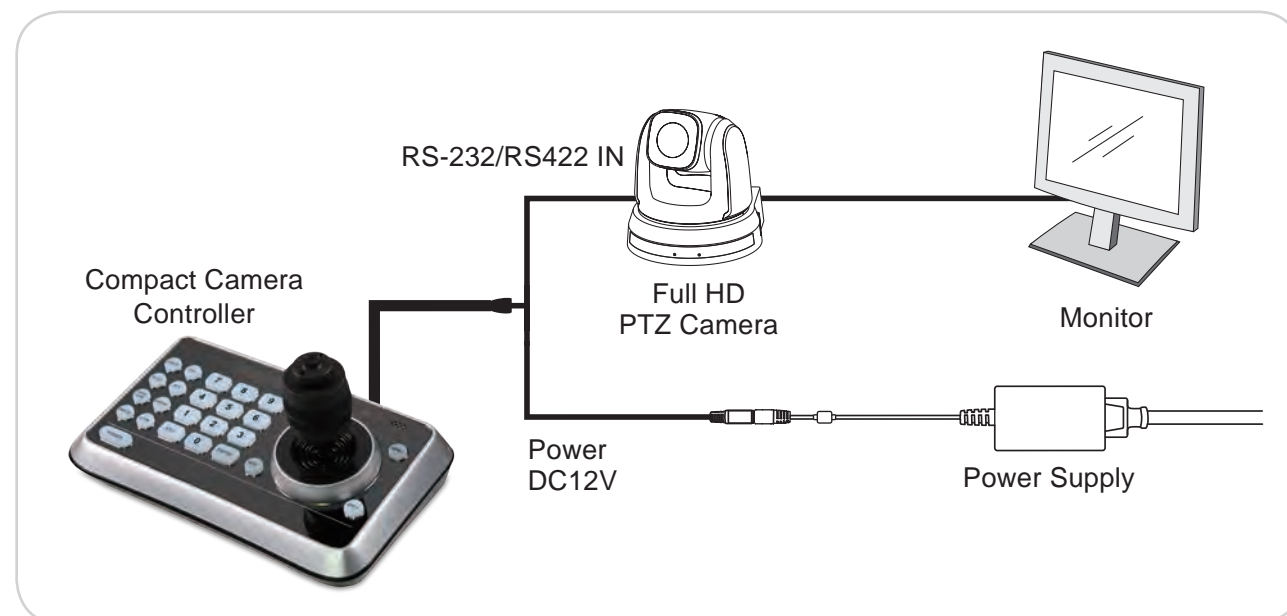
Compact Camera Controller

Key Features

- Joystick for Pan/Tilt/Zoom/Focus, Easy operation of versatile camera adjustments
- The RS-232C / RS422 communication interfaces allow long-distance communication
- High brightness OLED display
- Auto backlight keys
- Multi-level protection from illegal operation or setting
- Compact design



Applications



HDBaseT VC-HDRX / HDTX

HDBaseT Extension Kit

Key Features

- Supports PoE+, uncompressed video and IR/RS-232 control over a single CAT 5e/6/7 cable up to 328ft/100m
- HDMI video up to 1080p and 4K resolution
- Compatible with Lumens VC cameras and wall mount (VC-AC08)

Model	VC-HDTX	VC-HDRX
Video Interface	DVI input HDBaseT RJ45	HDMI output HDBaseT RJ45
Control	IR/VISCA/Power through Lumens breakout cable	RS-232 / VISCA IR
Power	PoE+ Powered Device DC 12V output	PoE+ Power Sourcing Equipment DC 12V input, utilize power adapter of Lumens VC camera
Resolutions / Distance	4K@ 70m (Cat 5e/6) / 100m (Cat 6a/7) 1080p@100m (Cat 5e/6/6a/7)	
Power Consumption	≤ 25W (Include VC camera)	
Dimensions (L x W x H)	168x113.3x27mm	168x115x27mm
Operation Temperature	0°C~40°C / 32°F ~104°F	
Storage Temperature	-20°C~60°C / -4°F~140°F	



VC-HDRX

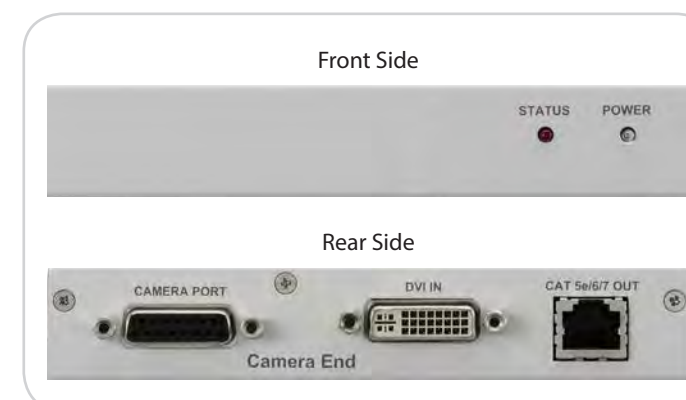


VC-HDTX

Color Options: Black / White

I/O Connections

VC-HDTX



VC-HDRX



ACCESSORIES

Optional Accessories for PTZ Cameras



VC-AC02 HDCI cable

HDCI cable to connect VC camera with Polycom codec.



VC-AC03 Wall mount for VC-BXX cameras

Thin Profile Wall Mount
Wall mount for VC-B20U USB PTZ camera



VC-AC06 VISCA cable extender

Lumens' Cable extenders can be setup with any PTZ camera and are easy to use. They are more effective than a VISCA cable. The Cable extenders can extend the distance between the controller and cameras up to 300 feet (100 meters) via the RJ45 CAT5/6 cable. In addition, the AC07 supports the daisy chain to link up to seven cameras.



VC-AC07 VISCA cable extender

Lumens' Cable extenders can be setup with any PTZ camera and are easy to use. They are more effective than a VISCA cable. The Cable extenders can extend the distance between the controller and cameras up to 300 feet (100 meters) via the RJ45 CAT5/6 cable. In addition, the AC07 supports the daisy chain to link up to seven cameras.



VC-AC08 Wall mount for VC-GXX and VC-AXX cameras

- Wall mount for Lumens VC PTZ cameras except USB PTZ cameras
- Rigid design, with cable cover

Color Options: Black / White

CL-510

High-Definition Document Camera

Key Features

- Full HD 1080p with 30fps
- One button optimization function
- High-definition USB image transmission in real time
- Plug-and-Play, no need to install USB driver
- Free multi-functional cross platform software support
- Compatible with all major IWB brands



Applications



Science & Biology



Mathematics



Technology



Meetings & Conferences



Court & Legal

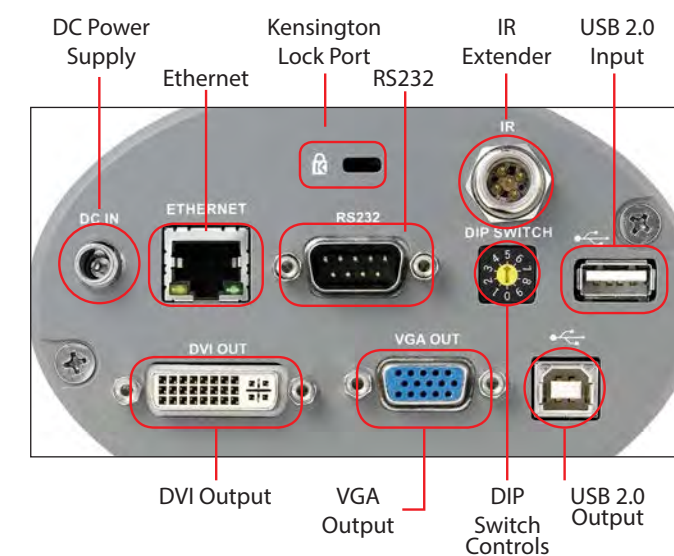


Training

Product Specifications

Zoom Capacity	25x optical zoom and 5x digital zoom	Auto Tune	Yes, single button to adjust for best possible images
Output Resolution	XGA, SXGA, UXGA, WXGA, 1080p	Picture by Picture (PBP)	Yes, compare live images with saved images
Ethernet	for video streaming and remote control	Slide Show	Automatically or manually
Capture Area	Max. 1200 x 900 mm	Image Rotation	Full screen image rotation from 0, 90, 180, to 270 degrees
Frame Rate	Up to 30 fps	Pan Across the Screen	Enlarge any part of the image and pan it by using the arrow keys
Signal Output	VGA x 1, DVI x 1, USB x 1, Ethernet x 1	Color Reproduction	ΔE^*_{ab} 8.84 (mean)
USB Flash Drive	Up to 32GB	SNR	52 dB
Built-in Memory	120 JPEG images	Sharpness	MTF 900 lines
USB Support	High Speed 2.0 (480 Mbps) Transmission	Anti-Theft	Kensington lock port on document camera chassis
Video Recording	Standalone or via software	Free Lumens™ Software	Supports PC Windows 10, 8, 7, XP, Vista and Mac OSX; WIA & TWAIN interface
Image Capture	Single or continuous capturing (time lapse photography) to internal memory, USB flash drive, or to the computer via USB		

I/O Connections



Accessories

- Ceiling Mount Bridge (CL-A01)
- Close-up Lens (CL-A03)

PS-752

High-Definition Document Camera

Key Features



- Full HD 1080p with 30fps
- VGA, HDMI input and output and supports HDMI pass-through
- 20 times variable zoom ratio
- One-Touch synchronous audio video recording
- Compatible with USB flash drives, expandable to 4TB
- Built-in LED backlight for X-rays, film, and slides



Product Specifications

Zoom	20x	USB Image Transmission	USB 2.0 (480 Mbps) high-speed transmission
Digital Zoom	12x	Audio/Video Recording	One-touch records image and sound synchronously
Output Resolution	XGA, SXGA, WXGA, 1080p	Built-in Memory	240 JPEG
Frame Rate	30 fps	USB Flash Drive	for USB flash drives (up to 4TB) or wired / wireless mouse for annotation
Shooting Area Max.	440 x 330 mm (17.3" x 13") > A3 size	Built-in Microphone	Yes
Built-in Back Light Size	210 x 297 mm (8.3" x 11.7")	Image Capture	Single or continuous capturing
High Color Reproduction	ΔE^*_{ab} 12.3 (mean)	Auto Tune	Yes, one button for image optimization
SNR	51 dB	Image Rotation	0°, 180°, flip, mirror
Sharpness	MTF 967 lines	Anti-Theft	Kensington anti-theft lock device
Lamps	Dual LED side lamps supported by a gooseneck	Free Lumens™ Software	Supports PC Windows 10, 8, 7, XP, Vista, Mac OSX, Chrome OS, iOS, Android APP ; WIA & TWAIN interface
Input Interface	VGA, HDMI		
Output Interface	VGA x 2, HDMI, C-Video		

Applications



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Language Arts



History & Geography

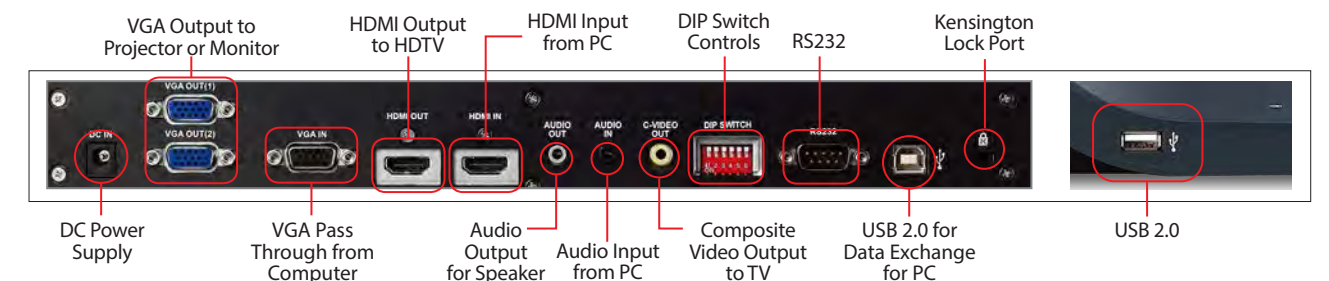


Meetings & Conferences



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I/O Connections



Accessory

- PS Padded Bag (PS-A01)

DC-193

High-Definition Document Camera

Key Features

- Full HD 1080p with 30fps
- 20 times variable zoom ratio
- VGA input/output, HDMI input /output
- One-touch synchronous audio / video recording
- Compatible with USB flash drives, expandable to 4TB
- Jointless, highly flexible gooseneck



Applications



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Technology



Art & Music



Language Arts

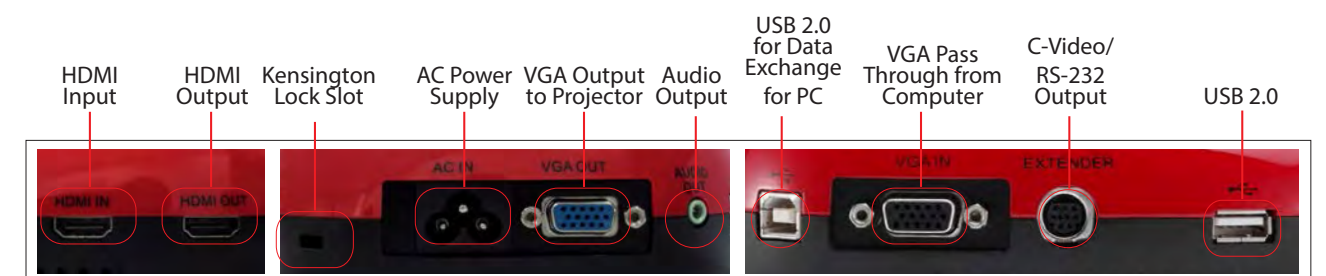


History & Geography

Product Specifications

Image Sensor	1/3 CMOS Color Image Sensor	Power Supply	Internal Power Supply, 100-240VAC
Total pixels	3.25MP	USB Image Transmission	USB 2.0 (480 Mbps) high speed transmission
Zoom	20x	Video/Audio Recording	One touch button records image and sound synchronously
Digital Zoom	12x	Built-in Microphone	Yes
Mechanical Zoom	11x	Image Capture	Single or continuous capturing
Close-up	2cm (0.78")	Auto Tune	Yes, one button for optimization image
Shooting Area Max.	400 x 300 mm (15.7" x 14.8")	Image Rotation	0°, 180°, flip, mirror
Output Resolution	XGA, SXGA(1280x960), WXGA, 1080p	Anti-Theft	Kensington anti-theft lock device
High Color Reproduction	ΔE^*ab (mean): 14.8	Free Lumens™ Software	Supports PC Windows 10, 8, 7, XP, Vista and Mac OSX, Chrome OS ; iOS, Android APP ; WIA & TWAIN interface
SNR	51dB	Included Accessories	Power cable, VGA cable, USB cable, remote control, microscope adapter
Sharpness	MTF 937 line		
Frame Rate	30fps		
Lamp	LED side lamp supported by gooseneck		

I/O Connections



Accessories

- DC Padded Bag (DC-A03)
- Mini-DIN Adapter for RS232, C-Video, for DC visualizer series only (DC-A16)

PC-193

High-Definition Document Camera

Key Features

- Full HD 1080p with 30fps
- 20 times variable zoom ratio
- VGA input/output, HDMI input /output
- One-touch synchronous audio / video recording
- Compatible with USB flash drives, expandable to 4TB
- Jointless, highly flexible gooseneck



Product Specifications

Image Sensor	1/3 CMOS Color Image Sensor	Power Supply	Internal Power Supply, 100-240VAC
Total pixels	3.25MP	USB Image Transmission	USB 2.0 (480 Mbps) high speed transmission
Zoom	20x	Video/Audio Recording	One touch button records image and sound synchronously
Digital Zoom	12x	Built-in Microphone	Yes
Mechanical Zoom	11x	Image Capture	Single or continuous capturing
Close-up	2cm (0.78")	Auto Tune	Yes, one button for optimization image
Shooting Area Max.	400 x 300 mm (15.7" x 14.8")	Image Rotation	0°, 180°, flip, mirror
Output Resolution	XGA, SXGA(1280x960), WXGA, 1080p	Anti-Theft	Kensington anti-theft lock device
High Color Reproduction	ΔE^*ab (mean): 14.8	Free Lumens™ Software	Supports PC Windows 10, 8, 7, XP, Vista and Mac OSX, Chrome OS ; iOS, Android APP ; WIA & TWAIN interface
SNR	51dB	Included Accessories	Power cable, VGA cable, USB cable, remote control, microscope adapter
Sharpness	MTF 937 line		
Frame Rate	30fps		
Lamp	LED side lamp supported by gooseneck		

Applications



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Mathematics



Technology



Art & Music



Language Arts



History & Geography

I/O Connections



Accessories

- DC Padded Bag (DC-A03)
- Mini-DIN Adapter for RS232, C-Video, for DC visualizer series only (DC-A16)

DC-170

High-Definition Document Camera

Key Features



- Full HD 1080p with 30fps
- VGA and HDMI output
- Professional 2x sensor zoom
- One-touch synchronous audio/ video recording
- Built-in SD card slot supports SDHC and SDXC; expandable to 64GB
- Jointless, highly flexible gooseneck



Applications



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Language Arts

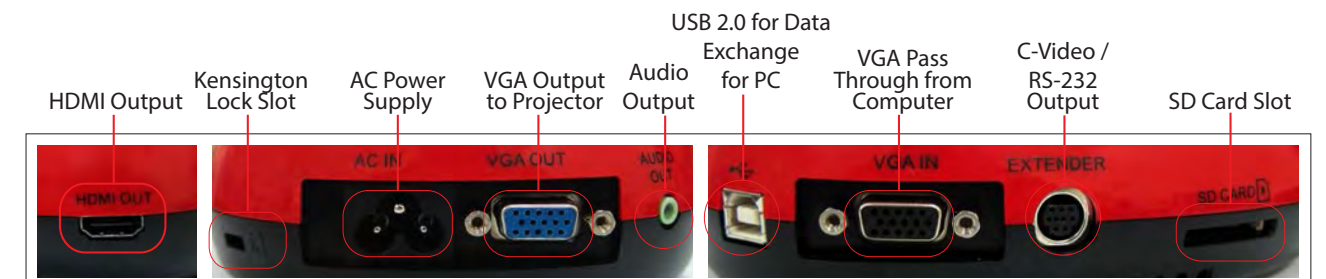


History & Geography

Product Specifications

Zoom	2x Sensor zoom	Power Supply	Internal Power Supply, 100-240VAC
Digital Zoom	12x	USB Image Transmission	USB 2.0 (480 Mbps) high speed transmission
Mechanical Zoom	9x	Video/Audio Recording	One Touch, record image and sound synchronously
Output resolution	XGA, SXGA (1280x960), WXGA, 1080p	Built-in Microphone	Yes
High Color Reproduction	ΔE^*ab 9.05 (mean)	Image Capture	Single or continuous capturing
SNR	51 dB	Auto Tune	Yes, one button for optimization image
Sharpness	MTF 1023 lines	Image Rotation	0°, 180°, Flip, Mirror
Frame Rate	30 fps	Anti-Theft	Kensington anti-theft lock device
Shooting Area Max.	442 x 331 mm (17.4" x 13") > A3 size	Free Lumens™ Software	Supports PC Windows 10, 8, 7, XP, Vista and Mac OSX, Chrome OS ; iOS, Android APP ; WIA & TWAIN interface
Close-up	4 cm		
Lamp	1. LED side lamp supported by gooseneck 2. Built-in LED on camera head		

I/O Connections



Accessories

- DC Padded Bag (DC-A03)
- Mini-DIN Adapter for RS232, C-Video, for DC visualizer series only (DC-A16)

DC-125 Flyer

DC125 Document Camera
and DC-W50 Wireless Base

Key Features



- No Cords
- Full HD 1080p with 30fps
- Supports 2.4GHz and 5GHz wireless transmission from a distance up to 49 feet or 15 meters
- Supports wireless and HDMI transmission simultaneously
- Supports iPad with Ladibug™ app
- Broadcast and share live images within your collaborative learning environment



Product Specifications

Wireless Standard	IEEE 802.11 g/n	Close-up	4cm (1.6")
Wireless Working Frequency	2.4/5 GHz ISM radio band	Shooting Area Max.	420 x 315mm (16.5" x12.4") > A3 size
Transmission Distance	15m (49 feet)	Frame Rate	1080p 30fps
Full Charge Required	3 hours (for 8 hours continuous operation)	Lamp Built-in LED	On Camera Head
Power Consumption	8W (Maximum)	Image Capture	Single or Continuous Capture
Zoom Capacity	Mechanical Zoom:8x, Digital Zoom:8x	Auto Tune	Yes, image optimization
Output Resolution	XGA, SXGA, 720p, 1080p	Image Rotation	0°, 180°, Flip, Mirror
High Color Reproduction	ΔE^*ab 8.58 (mean)	AP/Client Mode	Yes
SNR	51dB	Free Lumens™ Software	Supports PC Windows 10, 8, 7, XP, Vista, and Mac OSX, Chrome OS; iOS, Android APP ; WIA and TWAIN interface
Sharpness	MTF 864 lines	Package Content	DC125 Document Camera and DC-W50 Wireless Base
Output	Wireless and HDMI	Warranty	5 Year (Battery is 1 year)

Applications



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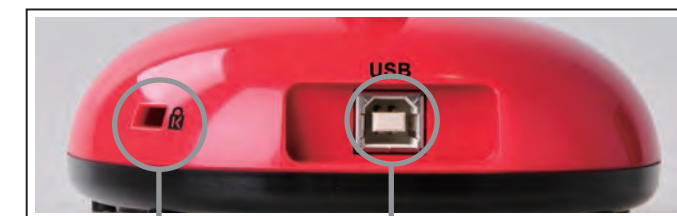
Language Arts



History & Geography

I/O Connections

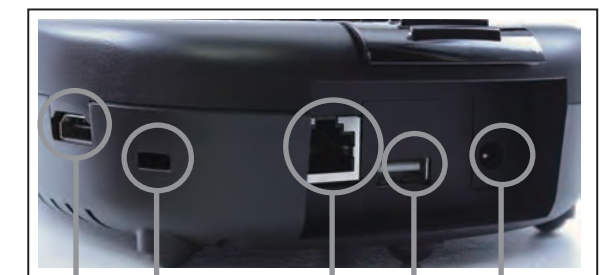
• DC125



Kensington Lock Port

USB 2.0

• DC-W50



HDMI OUT

Kensington Lock Port

Ethernet

USB 2.0

DC IN

Accessories

- DC Padded Bag (DC-A03)
- Microscope Adapter (DC-A07)

DC-125

Ultra-Portable High-Definition
Visual Presenter

Key Features

- Full HD 1080p with 30fps
- Jointless, highly flexible gooseneck
- Hands-free auto focus
- Single USB cable, Plug-and-Play
- Compatible with all major brands of interactive whiteboards



Product Specifications

Zoom Capacity	Mechanical Zoom : 8x, Digital Zoom : 8x	Video/Audio Recording	Yes, via software
Output Resolution	XGA, SXGA, 720p, 1080p, UXGA, QXGA(2048x1536)	Built-in Microphone	Yes
High Color Reproduction	ΔE^*_{ab} 8.58 (mean)	Image Capture	Single or Continuous Capture
SNR	51 dB	Auto Tune	Yes, image optimization
Sharpness	MTF 1102 lines	Image Rotation	0°, 180°, Flip, Mirror
Close-up	4 cm	Anti-Theft	Kensington lock port
Shooting Area	Max. 420 x 315 mm	Free Lumens Software	Supports PC Windows 10, 8, 7, XP, Vista and Mac OSX, Chrome OS ; iOS, Android APP ; WIA and TWAIN interface
Frame Rate	30 fps		
Lamp	Built-in LED on camera head	Optional Accessory	DC-A11 wireless module
Power Supply	USB Bus Power		
USB Image Transmission	USB 2.0 (480 Mbps) high speed transmission		

Applications



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Mathematics



Technology



Art & Music



Language Arts



History & Geography

I/O Connections



Accessories

- DC Padded Bag (DC-A03)
- Microscope Adapter (DC-A07)

DC-W50

Ultra-Portable High-Definition
Visual Presenter

Key Features

- No Cords
- Full HD 1080p, 30fps output resolution
- Supports 2.4GHz and 5GHz wireless transmission from distance up to 49 feet or 15 meters
- Supports wireless and HDMI transmission simultaneously
- Supports 8 hours continuous operation
- Broadcast and share live images within your collaborative learning environment



Product Specifications

Wireless Standard	IEEE 802.11 g/n
Wireless Working Frequency	2.4/5 GHz ISM radio band
Transmission Distance	15m (49 feet)
Full Charge Required	3 hours (for 8 hours continuous operation)
Power Consumption	8W (Maximum)
AP/Client Mode	Yes
Weight	600g (1.33lbs)
Dimensions	182mm x 139.3mm x 57mm (7.2" x 5.5" x 2.2")
Warranty	Wireless Base is 1 year
AP/ Client Mode	Yes

Applications



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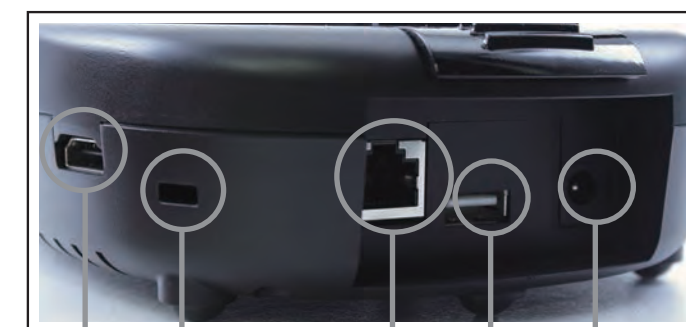


Language Arts



History & Geography

I/O Connections



HDMI OUT Kensington Lock Port Ethernet USB 2.0 DC IN

ACCESSORIES

Optional Accessories for Document Cameras



DC-A03
DC Padded Bag

A carry bag for DC document camera



DC-A06
Extender USB Cable

USB 2.0 Cable extender



PS-A01
PS Padded Bag

A carry bag for PS document camera



CL-AC01
Ceiling Mount Bridge

Neat and compact ceiling mount bridge for CL510



DC-A07
Microscope Adapter

Microscope adapter for DC document camera



DC-A13
25ft Three Pin Power Cord

25 feet power cord for DC document camera



CL-A03
Close-up Lens

When Lumens ceiling document camera, the CL510, is used without a close-up lens, objects can be seen from a distance of 1.5 to 5m. If the objects are in the distance of 0.5 to 1.5m, a close-up lens, the (CL-A03), will be required. The lens can be easily attached to the ceiling document camera.



DC-A14
USB 2.0 Cable Hub

Three meter USB 2.0 cable with one port USB Hub



DC-A16
Mini-DIN Adapter for RS232, C-Video, For DC visualizer series only

RS232 and C-Video adapter for DC document camera



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