

HD1100 Series Cameras

Portable Streaming, AV & Conference Camera Solutions

Features at a Glance

- Full HD Support - Up to 1920x1080P Capture
- NDI (Network Device Interface) Outputs*
- POE - Power over Ethernet *
- 5x,10x,12x and 20x Zoom Models
- HDMI / 3G-SDI Video Outputs*
- IP / LAN and USB2/3 Streaming Output*
- HD BaseT Output Connections*
- H.264 / H.265 Encoding Support
- Network RTSP, RTMP Streaming
- PTZ with 120+ pre-set options
- RS232/484 & IP Camera Control



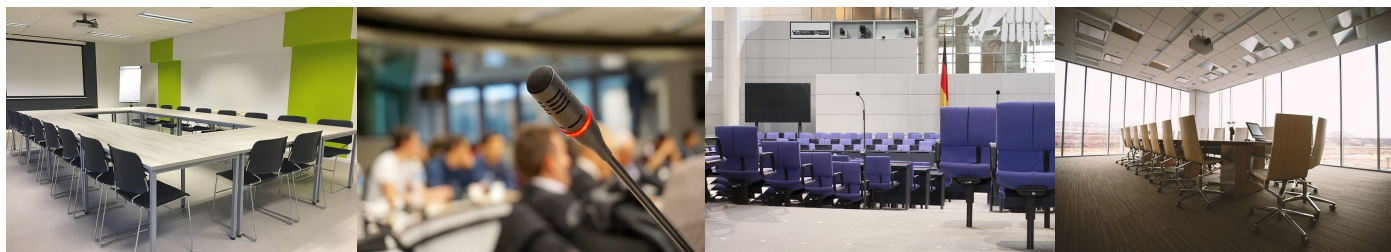
Overview:

The HD1100 series High Definition PTZ video conferencing cameras are a mountable pan/tilt camera solution designed for Education, Medical and Enterprise marketplaces where installations require a superior, yet cost effective capture solution.

The HD1100 adopts an 1/2.8 Inch CMOS sensor providing video capture of 1920x1080P60 HD, with outputs options including HDMI, SDI, NDI, LAN, USB2 / USB3, HD BaseT and RTMP / RTSP for direct IP streaming.



HD1100-C-IP (Desktop Camera controller) allows operators to control one or more PTZ cameras from a central location via IP LAN or Serial



HD1100 Model Configurations

Ordering Guide	
Suffix	Outputs
-SDI	HDMI, 3G-SDI, LAN with POE (Optional) and NDI (Optional) - Includes IR Remote
-USB2	USB2, LAN (USB2 can be used as power source, USB output currently supports video over USB not audio - Includes IR Remote
-USB3	USB3, LAN (USB3 can be used as power source USB output currently supports video over USB not audio - Includes IR Remote
-HDBaseT	HDBaseT, LAN (HDBaseT can be used as power source) - Includes IR Remote

Accessories



HD1100-C-IP(IP and Serial PTZ Camera Controller)



HD1100-R-BRAC
(Roof Mounting Bracket)

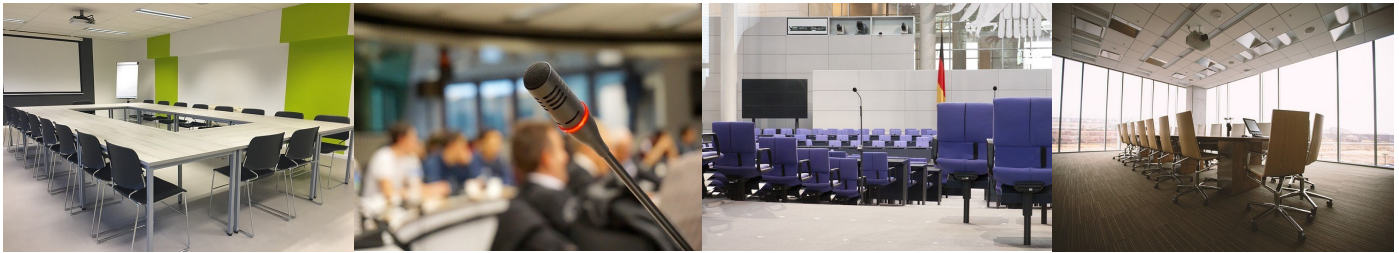


HD1100-W-BRAC
(Wall Mounting Bracket)

HD1100 Model Specifications

Model	HD1100-05	HD1100-10	HD1100-12	HD1100-20
Camera Model Parameters				
Optical Zoom	5X,f=3.6~18mm	10X,f=4.7~47mm	12X,f=3.9~46.1mm	20X,f=5.2~98mm
Sensor	1/2.8 inch high quality HD CMOS sensor			
Effective Pixels	16: 9, 2.07 megapixel			
Video format	SD/HD video format: 1080P30/25/29.97;1080i60/50/59.94;720P30/25/29.97			
	USB3 Interface video format : 1920X1080P/30/25; 1280X720P/30/25; 960X540P30;640X360P30; 640X480P30;352X288P30;960X540P30			
	USB3 compatible with USB2: 960X540P30;640X360P30;1280X720P10/15;640X480P30;352X288P30			
	USB2 interface video format: 176x144/320x240/320x180/352x288/640x480/720x576/640x360/800X600 /960X540/1024X576/1024X768/1600X896/1920X1080/1280X720P30/25/20/15/10/5			
View Angle	16.3°(tele)--80.9°(wide)	6.43°(tele)--60.9°(wide)	6.3°(tele)--72.5°(wide)	3.2°(tele)--55.8°(wide)
AV	F1.6 – F3.0	F1.6 – F3.0	F1.8 – F2.4	F1.5 – F3.0
Digital Zoom	10X			
Minimum Illumination	0.5Lux (F1.8, AGC ON)			
DNR	2D & 3D DNR			
Low Light Mode	Enabled on HD1100 Series			





White Balance	Auto / Manual/ One Push/ 3000K/ 4000K/5000K/6500K
Focus	Auto/Manual
Aperture	Auto/Manual

Electronic Shutter	Auto/Manual
BLC	ON/OFF
WDR	OFF/ Dynamic level adjustment
Video Adjustment	Brightness, colour, Saturation, Contrast, Sharpness, B/W mode, Gamma curve
SNR	>55dB

Image Code Stream	Dual stream output
Video Compression Format	H.264, H.265
Control Signal Interface	RS-232 Ring through RS232 output,RS485
Control Protocol	VISCA/Pelco-D/Pelco-P;Baud Rate:115200/9600/4800/2400bps
Audio Input Interface	Double track 3.5mm linear input - embedded audio available on LAN (only)
Audio Compression Format	AAC/MP3/PCM Audio compression
HD IP Interface	100M IP port(100BASE-TX); 5G Wi-Fi (optional), Support VISCA protocol control through IP port.
NDI	Optional on suffix - HD1100-X-SDI models
Network Protocol	UDP,RTSP,RTMP,ONVIF,GB/T28181
Power Interface	HEC3800 outlet (DC12V), USB2 / USB3 models power available via USB connection
POE	POE available in HD1100-X-SDI models

PTZ Parameter			
Pan Rotation	±170°	Pan Control Speed	0.1 -60°/sec
Tilt Rotation	-30°~+90°	Tilt Control Speed	0.1-30°/sec
Preset Speed	Pan: 60°/sec, Tilt: 30°/sec		
Preset Number	255 presets (10 presets by remote controller)		

Other Parameter	
Supply Adapter	AC110V-AC220V to DC12V/1.5A
Input Voltage	DC12V±10%
Input Current	1A(Max)
Consumption	12W (Max)
Working Temperature	-10°C~+50°C
Dimension	150mmX150mmX173.5mm
Weight	1.4KG
Remote Operation (IP)	Remote Upgrade, Reboot and Reset



HD1100 Camera Dimensions

