20X Optical Zoom Video Conference Camera

RC820

NDI|HX   1080P   Local Storage   H.265

▼ **20x optical zoom + 16x digital zoom**
Using a high-quality super telephoto lens, the optical zoom reaches 20X and supports 16X digital zoom.

▼ **1080P Full HD**
Apply Panasonic's 1/2.8 inch, 2.07 million effective pixels high quality HD CMOS sensor, can reach maximum 1920 x 1080 high resolution and achieve quality image.

▼ **Local Storage**
Support local storage module, directly recording to local USB flash disk without NVR.

▼ **Supports NDI HX,HX2**
The camera can connect directly to a NDI® network, utilizing NDI-based video production workflows without additional configuration, reducing cost and set-up time.

▼ **Low-light**
High SNR of CMOS sensor combined with 2D and 3D noise reduction algorithm, effectively reduce the noise, even under low illumination conditions, picture can still keep clean and clear.

▼ **AAC Audio Encoding**
Support AAC audio encoding, better sound quality and smaller bandwidth.

▼ **H.265 Support**
The first H.265 encoding support conference video camera in the world, enabling full HD 1080p/60fps video stream by ultra-low bandwidth.

▼ **Abundant & Perfect Interface**
It supports HDMI, 3G-SDI interface, effective transmission distance up to 150 meters (under 1080P30). HDMI, SDI, Network can output at the same time. It also support CVBS interface.

▼ **Remote Control**
Using RS232/485 interface, all the parameters of the camera can be remote controlled by the high-speed communications.

SPECIFICATIONS

▼ CAMERA

Signal System	HD: 1080p/60, 1080p/50, 1080i/60, 1080i/50, 1080p/30, 1080p/25, 720p/60, 720p/50, 720p/30, 720p/25 SD: 480i, 576i
Sensor	1/2.8'', CMOS, Effective Pixel: 2.07M
Scanning Mode	Progressive
Lens	20x, f4.42mm ~ 88.5mm, F1.8 ~ F2.8
Minimal Illumination	0.5Lux @ (F1.8, AGC ON)
Shutter	1/30s ~ 1/10000s
White Balance	Auto, 3000K/Indoor, 4000K, 5000K/Outdoor, 6500K_1, 6500K_2, 6500K_3, One Push, Manual
Backlight Compensation	Support
Digital Noise Reduction	2D&3D Digital Noise Reduction
Video S/N	≥55dB
Horizontal Angle of View	60.7° ~ 3.36°
Vertical Angle of View	34.1° ~ 1.89°
Horizontal Rotation Range	±170°
Vertical Rotation Range	-30° ~ +90°
Pan Speed Range	1.7° ~ 100°/s
Tilt Speed Range	1.7° ~ 69.9°/s
H & V Flip	Support
Image Freeze	Support
PoE	Support
Local Storage	Support
Number of Preset	255
Preset Accuracy	0.1°

▼ IPC FEATURES

Video Compression	H.265/H.264/MJEPG
Video Stream	Main Stream, Sub Stream
Main Stream Resolution	1920x1080, 1280x720, 1024x576
Sub Stream Resolution	720x576, 720x480, 320x240
Video Bit Rate	128Kbps ~ 8192Kbps
Bit Rate Type	Variable Rate, Fixed Rate
Frame Rate	50Hz: 1fps ~ 50fps, 60Hz: 1fps ~ 60fps
Audio Compression	AAC
Audio Bit Rate	96Kbps, 128Kbps, 256Kbps
Support protocols	NDI®IHX, NDI®IHX2, TCP/IP, HTTP, RTSP, RTMP, Onvif, DHCP, Multicast, etc.

▼ INPUT / OUTPUT INTERFACE

Audio Interface	1-ch: 3.5mm Audio Interface, Line In
SD Output	1 x CVBS: 3.5mm RCA jack, 1Vp-p, 75Ω
HD Output	1 x HDMI: Version 1.3
	1 x 3G-SDI: BNC type, 800mVp-p, 75 Ω. Along to SMPTE 424M standard
Communication Interface	1 x RS485: 2pin phoenix port, Max Distance: 1200m, Protocol: VISCA / Pelco-D / Pelco-P
	1 x RS232 IN: 8pin Min DIN, Max Distance: 30m, Protocol: VISCA / Pelco-D / Pelco-P
	1 x RS232 OUT: 8pin Min DIN, Max Distance: 30m, Protocol: VISCA network use only
Network Interface	1 x RJ45: 10M/100M Ethernet Interface
USB Interface	1 x USB2.0: Type A female jack
Power Jack	JEITA type (DC IN 12V)

▼ GENERAL SPECIFICATION

Tally Indicator	1 (Red and Green colors)
Power Indicator	1 (Blue)
Status Indicator	1 (Green)
Input Voltage	DC 12V / PoE (802.3af)
Power Consumption	1.0A (Max)
Operating Temperature	-10°C ~ 40°C (14°F ~ 104°F)
Storage Temperature	-40°C ~ 60°C (-40°F ~ 140°F)
Power Consumption	12W (Max)
Size	152 x 142 x 177 (mm)
Net Weight	1.35Kg (3.0lb)