



OneScreen PTZ Camera

Seeing better is collaborating better.

Full Function USB Interface

USB interface compatible with USB3.0 and USB2.0, Supports audio, compressed video output and UVC protocol.

1080P Full HD

Panasonic's 1/2.7 inch, 2.07 million effective pixels high quality HD CMOS sensor that can reach maximum 1920 x 1080 high resolution.

Ultra-high Frame Rate

Output frame rate up to 60fps in 1080p.

72.5° Wide-angle Lens & 12x Optical Zoom

72.5° wide-angle high quality lens, supports 12x optical zoom and 16x digital zoom.

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.

Remote Control

Using RS232/485 interface, all the parameters of the camera can be remote controlled.

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Camera Features

Video Resolution	Up to 1080p
Built-in Microphone	Built-in microphone, distance up to 16 feet with high sensitivity and low base noise.
Sensor	1/2.7", CMOS, Effective Pixel: 2.07M
Scanning Mode	Progressive
Lens	12x, f3.5mm ~ 42.3mm, F1.8 ~ F2.8
Optical Zoom	12x
Digital Zoom	16x
Minimal Illumination	0.5 Lux @ (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	Yes
Digital Noise Reduction	2D & 3D Digital Noise Reduction
Video S/N	≥55dB
Horizontal Angle of View	72.5° ~ 6.9°
Vertical Angle of View	44.8° ~ 3.9°
Horizontal Rotation Range	±170°
Vertical Rotation Range	-25° ~ +25°
Pan Speed Range	1.7° ~ 100°/s
Tilt Speed Range	0.7° ~ 28°/s
H & V Flip	Yes
Image Freeze	Yes
Number of Preset	255
Preset Accuracy	0.1°

USB Features

Operating System	Windows XP, Windows Vista, Windows 7, Windows 8, Mac OS X, Linux
Color System / Compression	YUV 4:2:2 / H.264 / MJPEG
Video Format	USB3.0: 1080p/60, 1080p/50, 1080p/30, 1080p/25, 720p/60, 720p/50, 720p/30, 720p/25 USB2.0: 1080p/30, 1080p/25, 1080p/15, 1080p/10, 720p/30, 720p/25, 960x540p/30, 960x540p/25, 640x360p/60, 640x360p/50
Audio on USB	Yes
USB Video Communication Protocol	UVC 1.0 ~ UVC 1.5
UVC PTZ	Yes

Input/Output Interface

USB Interface	1xUSB3.0: Type B female jack
Audio Interface	1-ch: 3.5mm Audio Interface, Line In
Communication Interface	1xRS232 In: 8pin Min DIN, Max Distance: 30m, Protocol: VISCA/Pelco-D/Pelco-P 1xRS232 Out: 8pin Min DIN, Max Distance: 30m, Protocol: VISCA network use only 1xRS485: Share with RS232 Out, Max Distance: 1200m, Protocol: VISCA/Pelco-D/Pelco-P
Power Jack	JEITA type (DC IN 12V)

Generic Specifications

Input Voltage	DC 12V
Current Consumption	1.0A (Max)
Operating Temperature	14°F ~ 104°F
Storage Temperature	-40°F ~ 140°F
Power Consumption	12W (Max)
MTBF	>30000h
Size	5.05" x 4.64" x 6.14"
Net Weight	2 lbs