iCam P10
HD PTZ Conference Camera

Datasheet V2.0

Features

● Completely new appearance
Designed with worm gear transmission, completely new appearance, mini size.

● Full Function USB Interface
Full function USB interface, compatible with USB3.0 and USB2.0, support audio, compressed video output, support UVC v1.5 protocol.

● Built-in Micphone
Built-in micphone, pickup distance up to 1-2 meters, high sensitivity and low base noise.

● 1080P Full HD

Apply Panasonic 1/2.7 inch, 2.07 million effective pixels high quality HD CMOS sensor, can reach maximum 1920 x 1080 high resolution and achieve high-quality image.

● Ultra high compatibility

Compatible with USB 3.0 and USB 2.0, support UVC v1.5 protocol, and support almost all video conference software on the market.

● 72.5° Wide-angle Lens + 16x Digital Zoom

Use 72.5° wide-angle high quality lens, support 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/USB, all the parameters of the camera can be remote controlled by the high-speed communications.

● H.264 Slice/ H.264 SVC Support

Support Slice and SVC encoding mode, adapts to video conference of advance USB application.

● Dual stream

Support two stream output (YUY2, MJPEG, H.264 each of both)

Datasheet

Model	iCam P10
Name	USB3.0 HD PTZ Conference Camera
Camera	
Video System	1080P, 720P, 540P, 480P, 360P, 240P etc.
Sensor	1/2.7'', CMOS, Effective Pixel: 2.07M
Scanning Mode	Progressive
Lens	12x, f3.5mm ~ 42.3mm, F1.8 ~ F2.8
Digital Zoom	16x
Minimal Illumination	0.5 Lux @ (F1.8, AGC ON)
Shutter	1/30s ~ 1/10000s
White Balance	Auto, Indoor, Outdoor, One Push, Manual, VAR
Backlight Compensation	Support

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	Support
Image Freeze	Support
Number of Preset	255
Preset Accuracy	0.1°
Built-in Microphone	Support
Distance of Pickup	1-2m
USB Features	
Operate System	Windows 7, Windows 8, Windows 10, macOS X, Linux, Android
Color System / Compression	YUV 4:2:2 / H.264 / MJPEG
Video Format	YUY2 (BULK): Up to 1080P@60fps YUY2 (ISOC): Up to 1080P@30fps H.264 AVC: Up to 1080P@60fps H.264 SVC: Up to 1080P@30fps MJPEG: Up to 1080P@30fps
Audio on USB	Support
USB Video Communication Protocol	UVC 1.5
UVC PTZ	Support
Input/Output	
USB Interface	1x USB3.0: Type B female jack
HDMI Out	1x HDMI 1080P Out
Audio Interface	1-ch: 3.5mm Audio Interface, Line In
Communication Interface	1xRS232 In: 8pin Min DIN, Up Distance: 30m, Protocol: VISCA/Pelco-D/Pelco-P
	1xRS232 Out: 8pin Min DIN, Up Distance: 30m, Protocol: VISCA network use only
Power Jack	JEITA type (DC IN 12V)
General Specification	
Input Voltage	DC 12V
Current 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.)
MTBF	>30,000h
Size	128.5 x 118 x 156.2mm
Net Weight	0.91Kg