



Prestel 4K-F1U3

4K Business Webcam



[DATASHEET](#)

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4K-F1U3

4K USB ePTZ Camera, built-in microphones, USB3.0 and group framing capability, automatically present the participants in the center of the image, provide high quality A/V experiences and seamless communication for end users.



Features

4K UHD

Use a high-quality 1/2.5 inches UHD CMOS sensor with 8.29 million pixels. Support max 4K30fps image output and multiple lower resolutions like 1080p/720p.

▼ Lens

120 ° ultra-wide-angle lens, while supporting EPTZ.

▼ Microphone

The built-in microphone, the pick-up distance is 6 meters long, high sensitivity, low-bottomed noise.

▼ USB 3.0

Full-function USB 3.0 interface, power supply, video, audio, support 1 USB video signal source + audio source, and support 1 HDMI at the same time.

▼ Low Illumination

The new generation high performance CMOS image sensor can significantly reduce the image noise in low illumination. With the 2D and 3D noise reduction algorithms, even in an ultra-low illumination environment, camera can still deliver a sharp and clean image with more than 55dB S/N ratio.

▼ Auto Framing

The screen's view angle is automatically adjusted depending on the people within the detection range through the cutting-edge deep learning algorithm to avoid manual adjustment of camera and provide you with new experience.

▼ Easy Installation

The standard configuration includes a damped rotary support, which is compatible with almost 100% of the displays available on market; it's easy to install, stable and reliable.

Product Specification

▼ Camera Spec

Sensor	1/2.5 inches, CMOS, Effective Pixels:8.29 Megapixe
Scanning Mode	Progressive
Type of Lens Mount	M12
Lens I	f=3.5mm,Horizontal FOV: 84°
Lens II	f=2.8mm,Horizontal FOV: 120°
Auto Focus	Support (only 84° Support)
Minimum Illumination	0.5Lux @ (F1.8, AGC ON)
Shutter	1/30s ~ 1/10000s
White Balance	Auto, Indoor, Outdoor, One Push, Manual
Backlight Compensation	Support
Digital Noise Reduction	2D&3D Digital Noise Reduction
Bracket	Support

▼ USB Spec

Operating System	Windows 7 (only supports UVC1.1 features), Windows 8 and above version, MacOS 10.5 and above version, Linux 2.4.6 and above version, Android needs to include the version of UVC-related drivers
Color System / Compression	YUY2 H.264 / MJPEG
Signal System	4K P30/25 ; 1080 P30/25 ; 720 P30/25 ; 960x540P30/25 ; 640x360P30/25 etc
USB Video Communication Protocol	UVC 1.1
UVC PTZ Control	Support (EPTZ)

▼ I/O

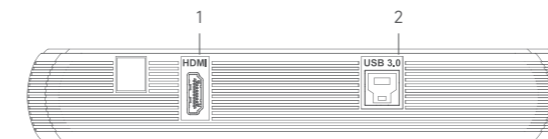
USB Interface	1 x USB 3.0, type B
HDMI Interface1	1 x HDMI1.4b (Optional)

▼ Generic Spec

Input Voltage	5V (USB Power Supply)
Input Current	600mA
Operating Temperature	-10° C ~ 40° C
Storage Temperature	-40° C ~ 60° C
Power Consumption	3W
Dimension	194mm (W) x 42mm (D) x 34mm (H)
Net Weight	0.5kg



Interface Diagram



1 — HDMI (Optional)
2 — USB3.0