

## Product Specification

### 1. Product Feature



- **Completely New Look**

Designed with worm gear transmission, completely new look, mini size.

- **Full Function USB Interface**

Full function USB interface, compatibility USB3.0 and USB2.0, support audio, support compressed video output, support UVC v1.5 protocol.

- **1080P Full HD**

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

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- **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), reduce the host codec pressure

- **USB infrared transmission (Optional)**

Base on customer needs, transmit infrared code value

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## 2. Camera Parameters

Pixel	207M
Video System	1080P, 720P, 540P, 480P, 360P, 240P etc.
Sensor	1/2.7inch, CMOS
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(2500K~8000K).
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	-30° ~ +30°
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°
Video Format	YUY2 (BULK): max to 1080P@30fps YUY2 (ISOC): max to 1080P@30fps H.264 AVC: max to 1080P@30fps H.264 SVC: max to 1080P@15fps MJPEG: max to 1080P@28fps

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## 3. USB Featured

Operate System	Windows 7, Windows 8, Windows 10, Mac OS X, Linux, Android
Color System / Compression	YUV 4:2:2 / H.264 / MJPEG

## 4. I/O Port

USB 3.0	1
RS232 IN	1
RS232 OUT	1
DC IN	1

## 5. Physical Specifications

Dimension L × H × D	128.5 × 118 × 156.2mm
Net Weight	0.91Kg

## 6. Power

Input Voltage	DC 12V
Current Consumption	1.0A (Max)
Power Consumption	12W (Max)

## 7. Environmental Conditions

Operation Temperature	-10°C~40°C
Storage Temperature	-40°C~ 60°C

## 8. Statement

Size and weight vary by configuration and manufacturing process, please refer to the actual product.

The product images are for illustrative purposes only and may slightly differ in appearance, colour, size, etc. from the actual product.

The description, illustrations, etc. in this document may subject to change in accordance with the latest product specification and performance.

Should the above-mentioned change in the document become necessary, the document may be updated without written notice.