

# HyperVision HPV-2

## Specifications

### Camera Head

Lens mount	Nikon F mount
Image sensor	IS-CCD image sensor
Resolution	312 (horizontal) x 260 (vertical) pixels
Color, Gradations	monochrome, 10 bits <sup>1)</sup>
Recording interval	1 $\mu$ s, 2 $\mu$ s, 4 $\mu$ s, 8 $\mu$ s, 16 $\mu$ s, 32 $\mu$ s, 64 $\mu$ s, 125 $\mu$ s, 250 $\mu$ s, 500 $\mu$ s, 1 ms, 2 ms, 4 ms, 8 ms, 16 ms, 33 ms
Recording speed <sup>2)</sup>	1 Mfps, 500 kfps, 250 kfps, 125 kfps, 63 kfps, 31 kfps, 16 kfps, 8 kfps, 4 kfps, 2 kfps, 1 kfps, 500 fps, 250 fps, 125 fps, 63 fps, 30 fps
Frame rate	100 frames
Exposure time	1/2, 1/4, 1/8, or OFF (3/4) of recording intervals (1/2, 1/4, and OFF only for exposure times of 1 $\mu$ s) <sup>3)</sup>
External trigger input	TTL level (5 V, positive or negative) Switch closure (normally open)
Synchronous Recording	Synchronous recording with up to 4 units
Interface	USB 2.0 (High-Speed)
External Monitor Output	NTSC output, or PAL output, selected at time of shipment
Optional Output	Special brightness control signal output, special trigger unit control output
Clock Output	TTL level (5 V)
Recording Mode	Normal Recording (external, internal trigger), programmed recording, continuous trigger, test exposure
Trigger Point Settings	Trigger point configurable from any frame
Data Memory Format	10-bit dedicated format, BMP, AVI, JPEG, TIFF (16-bit format supported)

### Required Specifications for Control PC

OS	Windows Vista Business Edition 32bit <sup>4)</sup>
CPU	Intel Core™2 Duo (1.8 GHz) or faster™
RAM	2 GB or more
HDD	60 GB or more
Screen Size	13.3 inch WXGA (1280 x 800) or better
Interface	USB 2.0 <sup>5)</sup>
External Recording Device	DVD-ROM & CD-R/RW drive
Other Peripherals	Mouse or other pointing device

### Power Unit

<b>Power Ratings</b>	100V to 120V / 220V to 240V, 50/60 Hz, 150 VA
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### **Environmental Conditions**

<b>Operational temperature range</b>	5°C to 40°C
<b>Operational humidity range</b>	35% RH to 75% RH, with no condensation

### **Size, Weight**

<b>Camera head</b>	140 mm (W) x 145 mm (H) x 360 mm (D), approx. 5.3 kg [140 mm (W) x 175 mm (H) x 360 mm (D), including handle]
<b>Power Unit</b>	150 mm (W) x 124 mm (H) x 336 mm (D) approx. 3.2 kg
<b>Interface Cable Length</b>	Approx. 5m (The cable length accommodates the optional unit.)

### **Others**

<b>Standard Ratings</b>	CE Class B compatible
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