

PROJECTION EQUIPMENT

Cameras

BIRDDOG P400B



**Panasonic
AG-UX180**





BIRDDOG P400B

Technical Specifications

CAMERA

- Image Sensor 1 / 2.5 inch CMOS 8.5MP
- Optical Zoom 20x
- SRZ (Super Resolution Zoom) 30x in 4K, 40x in Full HD
- Horizontal Angle of View 70.2° (W) – 4.1° (T)
- Aperture F2.0 (W) – F3.8 (T)
- Min. Illumination Colour: 0.4 lux (1 / 30 s, 50 % High Sensitivity mode On),
1.6 lux (1 / 30 s, 50 % High Sensitivity Mode Off),
0.06 lux (1 / 4 s (1 / 3 s), 50 % High Sensitivity Mode On)
- Shutter Speed 1 / 1 – 1 / 10,000 s
- Features Defog (Auto, 3 levels), Visibility enhancer, Black & White, E-Flip, Mirror,
Colour enhancement, Black level, gamma, Sat / Hue Adjust, HLC, Colour Bar
YES
- Image Stabiliser YES (16 step)
- Colour Gain YES (16 step)
- Colour Hue Standard, Straight, 512 pattern
- Gamma YES (72 step)
- Gamma Level YES (97 step) – Flicker Cancel: YES
- Black Level On / Off (level 5 to 1 / Off, 6 steps), 2D / 3D
- Noise Reduction ≥ 50 db
- S / N Ratio Auto Focus (Trigger / Interval), Manual Focus (Variable Speed), One Push Trigger,
Near Limit
- White Balance AUTO, ATW, Indoor, Outdoor, One Push WB, Manual WB, Outdoor Auto, Sodium
Vapour Lamp (Fix / Auto / Outdoor Auto)
- Exposure Full Auto, Gain, Gain Limit, Shutter Priority, Iris Priority, Manual, Bright, Slow
Shutter,
Max / Min Shutter Limit, Slow AE
- Backlight Compensation YES

VIDEO INTERFACE

- Video Output NDI / HDMI / 6G-SDI
- 4K Formats 4Kp 29.97, 25, 24, 23.98
- HD Video Formats 1080p 60, 59.94, 50, 29.97, 25, 24, 23.98
1080i 60, 59.94, 50



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Technical Specifications

• HDMI Colour Formats	720p 60, 59.94, 50 YCbCr 4:2:2 12 bit RGB 8 bit
• SDI Colour Space	YCbCr 4:2:2 10 bit
• Analog Audio I / O	3.5 mm Audio In (Mono) 3.5 mm Audio Out (Mono)
• Audio Output	Embedded with main HDMI, 24 bit Embedded with SDI, 24 bit Embedded with NDI
GENERAL	
• Optional Mounts	Ceiling Mount, Wall Mount
• Power Consumption	Min. 23.2 W Max. 26.8 W (PTZ move simultaneously)
• Operating Temperature	0 °C to 40 °C (32 F to 104 F)
• Operating Humidity	≤ 80 %
• Weight	2.7 kg (6 lbs)
• Dimensions	195 x 164 x 217 mm (7.7 x 6.5 x 8.5 in)



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Technical Specifications

DIGITAL VIDEO

- Video Signal for External Output 8bit 4:2:2
- Video Compression Format MPEG-4 AVC/H.264 High Profile

DIGITAL AUDIO

- Recording Audio Signal 48 kHz/16 bit 2CH
- Audio Signal Format LPCM (MOV/MP4), Dolby Audio (AVCHD)
- Headroom 12 dB

VIDEO INPUT/OUTPUT

- SDI OUT BNC x1, 0.8 V [p-p], 75 Ω , 3 G/1.5 G HD-SDI, SD-SDI supported
Output format: 1080/59.94p LEVEL-A/50.00p LEVEL-A,
1080/29.97PsF/25.00PsF/24.00PsF/23.98PsF,
1080/59.94i/50.00i, 720/59.94p/50.00p, 480/59.94i, 576/50.00i
- VIDEO OUT AV connector x1
- HDMI Type A connector x 1, VIERA Link not supported
Output format: 2160/59.94p/50.00p/29.97p/25.00p/24.00p/23.98p,
1080/59.94p/50.00p/29.97p/25.00p/24.00p/23.98p/59.94i/50.00i,
720/59.94p/50.00p, 480/59.94p, 576/50.00p
- AUDIO INPUT Supports stereo microphone
- Built-in Microphone XLR (3-pin) x2 (INPUT 1, INPUT 2)
- XLR Input Input high impedance, LINE/MIC/MIC+48V (switchable SW)
LINE: +4 dBu/0 dBu (switchable menu)
MIC: -40 dBu/-50 dBu/-60 dBu (switchable menu)

AUDIO OUTPUT

- SDI 2 ch (LPCM) switchable gain: 0 dB/-6 dB/-12 dB
- HDMI 2 ch (LPCM)
- AUDIO OUT AV connector x1, Output level: 600 Ω , 251 mV
- Headphones 3.5 mm diameter stereo mini jack x1
- Speaker 20 mm diameter, round x1

MONITOR/VIEWFINDER

- LCD Monitor 3.5 type LCD colour monitor, Approx. 1,150,100 dots
- Viewfinder 0.39 type OLED (organic EL display)
(Approx. 2,360,000 dots, video display area: Approx. 1,770,00 dots)



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Technical Specifications

GENERAL

- **Power**
 - DC 7.28 V (when the battery is used)
 - DC 12 V (when the AC adaptor is used)
- **Power Consumption**
 - 19.7 W (when the LCD monitor is used)
- **Operating Temperature**
 - 0 °C to 40 °C (32 F to 104 F)
- **Operating Humidity**
 - 10 % to 80 % (no condensation)
- **Weight**
 - Body: Approx. 2.0 kg (4.41 lb) (body only, excluding lens hood, battery, and accessories)
- **Dimensions**
 - Shooting: Approx. 2.4 kg (5.29 lb) (including lens hood, battery, and eye cup)
 - 173 mm (W) x 195 mm (H) x 346 mm (D) (6-13/16 inches x 7-11/16 inches x 13-5/8 inches)
 - (excluding protrusion and eye cup)
 - 173 mm (W) x 195 mm (H) x 392 mm (D) (6-13/16 inches x 7-11/16 inches x 15-7/16 inches)
 - (including eye cup, excluding protrusion)