



Owl Digital RealTime System Specifications

CAMERA

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|--|---|
| Sensor type | CMOS |
| Sensor resolution | 640x 480 |
| Number of pixels | 307,200 |
| Sensor maximum frame rate at full resolution | 200 fps |
| Sensor maximum frame rate at partial scan | >2,000 fps |
| Camera maximum frame rate at full resolution | 200 fps |
| Camera frame rates | 1-200 Hz |
| Infinitely variable frame rates | Yes |
| Shutter Type | TrueSNAP freeze-frame electronic shutter |
| Zoom lens available | Yes |
| Zoom lens mount type | C-mount |
| Zoom lens | 6-15mm |
| C-mount lens available | Yes |
| C-mount lens offerings | 6mm, 12.5mm, 25mm |
| CS-mount lens available | No |
| CS-mount lens offerings | Not applicable |
| Camera body dimensions | 189mm (H), 147mm (W), 95mm (D) |
| Camera weight, including ringlight | 4.4 lbs. (2.0 Kg) |
| Camera housing | Custom die-cast aluminum |
| Number of camera mount points | 4 |
| Multiple camera types on one system | Yes |
| Maximum number of cameras | Unlimited |
| Camera software and firmware upgradeable | Yes |
| Upgrade methods | FTP, email or CD |
| Camera cabling | Standard Cat5E, power over ethernet |
| Camera connectors | Ethernet, Sync in/out |
| Camera power supply | via custom power supply |
| Grayscale depth | 10 bit |
| On-camera masking | No |
| In-camera dynamic blob eliminator | Yes |
| Software masking | Yes |
| Auto-masking | Yes |
| Insight focusing | No |
| Camera output modes | Consistent on-camera grayscale edge detection for every marker at all frame rates |
| Environmental | Temperature, Operating: 10° to 35°C (50° to 95°F) Temperature, Storage: -40° to 65°C (-40° to 149°F) Relative humidity: 20% to 80% (non-condensing) |

RINGLIGHT/STROBE

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|-------------------------------|--------------------------------------|
| Ringlight strobe type | Near infrared (750nm) or Red (630nm) |
| Ringlight cover types | Clear |
| Strobe electronics | Integrated, software reprogrammable |
| Number of LED's per ringlight | 203 |
| Adjustable illumination | Yes |

SYSTEM CONNECTIVITY

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|-------------------------------------|------------------------|
| Plug and Play compatibility | Yes |
| System connectivity | Gigabit Ethernet |
| Maximum number of cameras in system | Unlimited |
| Custom control interface | Yes |
| Communication status indicators | Yes |
| Integrated camera display panel | 200 bi-color LED array |
| Camera number indicator | Yes |
| Master camera indicator | No |
| IP addressable | Yes |
| IP reconfigurable | Yes |
| Genlock to external video source | Yes |
| Synchronize to external signal | Yes |
| Additional sync box needed | No |
| External sync output | Yes |
| Additional external sync box needed | No |
| External A/D sync and clock | Yes |