

TARSIER - LOW LUX HD PORTABLE MID (35x) AND LONG (60x) RANGE CAMERA SYSTEM



Features

- Highly Portable, one-man operation
- Plug-and-play self-contained system
- Long range observation in Full HD output resolution under extreme low light condition
- 24-hours operation in day, night and extreme light conditions with wide scene illumination
- High sensitivity coupled with high shutter speed of up to 1/10,000 sec (Fixed) and 1/120,000 sec (Auto)
- Single motion-blur-free frames for evidence and video analysis
- Full control of the IRIS with a fixed SHUTTER
- 8 Pre-set modes for different operational conditions
- Sealed, dried air-purged IP67 camera enclosure for minimal maintenance
- Wide dynamic range allow for capturing image with minimal blooming
- 4 different built-in filters allow for day, night, laser illuminator, and fog filtering
- Multiple format and resolution output allows flexibility for recording and further transmission

Included in Set:

Sensor + Lens (In IP67 enclosure)

Integrated Controller + Recorder

Cables set

Motorised Tripod (Optional)

Wireless OFDM/LTE Transmission remote and telemetry (Optional)

Laser Illuminator (Optional)

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TECHNICAL SPECIFICATIONS

| SENSOR | | | |
|--------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|--------------------------------------|---------------------------------------------------|
| Sensitivity Range | Visible to NIR (400nm – 1100nm) | | |
| Sensor size | 2/3 " | | |
| Video Output | HD SDI and VBS | | |
| Output Resolution | Up to 1080P | | |
| Scene illumination | Up to 15,000 lux | | |
| Minimum Illumination | 0.00001 lux (AGC : 36dB B/W-Monochrome) 0.0001 lux (AGC : 36dB color) (25IRE, F0.95) | | |
| Filters | 4 Filters (Day, Night, Fog, Laser) | | |
| Lens | | | |
| | Mid Range – 35x | Long Range - 60x | Long Range - 60x |
| Lens Type | Full HD | Full HD with 2x extender | Full HD with Auto Focus and Optical Stabilization |
| Lens Format * | 1/1.8" | 1/1.8" | 1/1.8" |
| Focal Length (mm) | 10-350 | 1x : 16.7 - 1000 2x : 33.4 - 2000 | 1x : 16.7 - 1000 |
| Iris Range | F1.6-F12 | 1x : F3.5 –F16 2x : F7.0-F32 | 1x : F3.5 –F16 |
| Iris | Auto/Manual P-Iris | Auto/Manual DC Iris | Auto/Manual DC Iris |
| *There will be a minor vignette in when fully zoom out | | | |
| CAMERA ASSEMBLY (With Enclosure) | | | |
| | Mid Range – 35x | Long Range - 60x | |
| Mass | Approx. 6.7kg | Approx. 8.7 kg | |
| Dimensions LxWxH mm (Exclude handle) | Approx 438 x 180 x 192 | Approx 506 x185x 205 | |
| Power Consumption | 30W (Including Monitor) | 30W (Including Monitor) | |
| Enclosure | IP67, Dried Air Purged, with Humidity indicator | | |
| OPERATION CONTROL | | | |
| Shutter | AUTO/ FIX (1/25 ~1/120000) | | |
| AGC | AUTO, FIX (0 to 36dB in 3dB steps) | | |
| Day/Night | DAY/NIGHT/AUTO | | |
| DSP Fog Reduction | OFF, LOW, MID, HIGH | | |
| MODE Preset | Up to 8 Preset Modes | | |
| Display Mode | 720p50, 1080p25, 720p25, 1080i50 | | |
| INTEGRATED CONTROLLER / RECORDER UNIT | | | |
| Keyboard | Joystick – Pressure sensitive control for course/fine PTZ control LED Display – 3-line system LED status display | | |
| Interface | To Camera : Hybrid Twin Coaxial + 6 signal Connector with 5m Hybrid cable | | |
| Display | 7" 1920 x 1200 integrated capacitive settings and navigating menus touchscreen LCD with onscreen controls | | |
| Recording Media | Dual UHS-II SD slots | | |
| Codec | ProRes 422 HQ, ProRes 422, ProRes LT, ProRes Proxy, Avid DNxHD, DNxHR | | |
| Dimensions | 36.1 x 29 x 16.5 cm | | |
| Internal Battery | 24V LiFePO4 10Ah battery | | |
| Weight | Approx. 7.3kg | | |
| Tripod | | | |
| Head | Precision Geared Head for Heavy Duty Tripod | | |
| Tripod | 4- Segment Carbon Fibre Tripod with Rapid Release | | |

TARSIER - LOW LUX HD PORTABLE LONG RANGE (40x) CAMERA SYSTEM



Features

- Highly Portable, one-man operation
- Plug-and-play self-contained system
- Long range observation in Full HD output resolution under extreme low light condition
- 24-hours operation in day, night and extreme light conditions with wide scene illumination
- High sensitivity coupled with wide shutter speed of 1/8 to 1/20,000 sec
- Full control of the IRIS and SHUTTER
- Minimal maintenance with sealed dried air-purged IP67 camera enclosure
- Wide dynamic range allow for capturing image with minimal blooming
- Multiple built-in filters allow for day, night, laser illuminators, fog, heat haze, and visible light cut filters
- Multiple format and resolution output allows flexibility for recording and further transmission
- Optically stabilized for stable image at high focal length
- Multi auto-focus modes to suit different environment

Included in Set:

Sensor + Lens (In IP67 enclosure)

Integrated Controller + Recorder

Cables set

Motorised Tripod (Optional)

Wireless OFDM/LTE Transmission remote and telemetry (Optional)

Laser Illuminator (Optional)

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TECHNICAL SPECIFICATIONS

| SENSOR | |
|----------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sensitivity Range | Visible to NIR (400nm – 1100nm) |
| Sensor size | 1/1.8 " |
| Video Output | HD SDI <u>and</u> Composite |
| Output Resolution | Up to 1080P |
| Minimum Illumination | Colour 0.0017 , B/W 0.0011 lux at F4.0 , 50 IRE |
| Filters | Visible light cut |
| Wavelength Selection | 950nm, 940nm, 850nm, 808nm, Visible Light |
| Shutter | Manual, Auto (1/8 ~1/20,000 s) |
| Gain | Manual, AGC, Hyper AGC (ISO400-81920) |
| Day/Night | Manual, Auto |
| Anti - Heat Haze | Low, Medium, High |
| Anti - Fog | Low, Medium, High |
| LENS | |
| Optical Zoom | 40x |
| Lens Type | Full HD |
| Focus | Manual, Quick AF, Continuous AF |
| Focal Length | 20-800 mm |
| Iris Range | F4-F16 |
| Iris | Auto/Manual |
| Angle of View | W : 21.0° x 11.8° T : 0.55° x 0.31° |
| CAMERA ASSEMBLY (With Enclosure) | |
| Mass | Approx. 9.0 kg |
| Dimensions LxWxH | Approx. 506 x185x 205 (Exclude handle) |
| Power Consumption | 40W (Including Monitor) |
| Enclosure | IP67, Dried Air Purged, with Humidity indicator |
| Operating Temperature | -10° C to +50° C |
| INTEGRATED CONTROLLER / RECORDER UNIT | |
| Keyboard | 7" Touch Screen |
| Interface | Hybrid Twin Coaxial + 10 Signal / Power Connector with 5m Hybrid cable |
| Monitor | 15.6" 1920x1080 IPS , Brightness 400cd/m ² , Refresh Rate 3ms, AOV178° |
| Recording Media | Dual UHS-II SD slots |
| Date / Time | Built-in Clock with Date/Time stamp |
| PT Motor | Synchronized Pan Tilt Motor Control |
| Laser | Synchronized Laser Control |
| Codec | ProRes HQ, ProRes, ProRes LT, ProRes Proxy, DNxHD 220x QT, DNxHD 220x MXF , DNxHD 145 QT, DNxHD 145 MxMXF, DNxHD 45 QT, DNxHD 45 MXF, DNxHR HQX QT, DNxHR HQX MXF, DNxHR HQX QT, DNxHR SQ QT, DNxHR SQ MXF, DNxHR LB QT, DNxHR LB MXF, H.264 High, H.264 Medium, H.264 Low. |
| Output | PAL, SDI, HDMI |
| Dimensions | 41.1 x 32.3 x 16.8 cm |
| Internal Battery | 24V LiFePO4 15Ah battery |
| Weight | Approx. 10.5kg |
| TRIPOD | |
| Head | Precision Geared Head for Heavy Duty Tripod |
| Tripod | 4- Segment Carbon Fibre Tripod with Rapid Release |