

iFalconHP

HAND PORTABLE THERMAL SYSTEM WITH WI-FI AND VISIBLE CAMERA

Features:

- Lightweight and IP68
- Modular System Compatible with iFalconHM
- Thermal and Visible Cameras
- Integrated Wi-Fi (up to 5km range)
- High Resolution 5.7" Colour Display
- Integrated Digital Video Recorder
- Geo Localization



iFalconHP DVR

Colour Thermal and Visible System with Wi-Fi, DVR

Thermocamera 7.5-14um

Detector Type	Uncooled IR Microbolometer
Resolution	324 x 256 pixels
Frame Rate	50-60Hz
Temperature Measurement and Isotherms	YES (Spot meter in Celsius or Fahrenheit)
Video	NTSC or PAL
Temperature Sensitivity	< 0.05°C with F/1.0
Dynamic Range	-40°C to +600°C (1100°F)
Palette	11 Color User Selectable
Field of View	45°(H) x 35°(V) (57° diagonal)
Focus	Fixed 3' to infinity
Zoom digital	2X, 4X

Colour Camera SD with fixed focus

Detector Type	CMOS
Pixel	640 x 480
Sensor Sensitivity	0.025 lux (50 IRE) F1.2 32000K
Focal	8mm

Display LCD

Size	5.7"
Resolution	640x480 RGB
Dimension	5.7" diagonal
Back Light	LED

Digital Audio-Video Recorder

Video Rate and Resolution	30 fps up to D1 (720x480)
Video format	MPEG4, WMV, MOV and H.264 options
External Connections	USB 2.0 HS, mass storage device class
Audio IN	YES
Built in real time clock	YES
Storage support	16Gb
User controls	for compression setting
Recording Time	High Quality: 5 Hours

Encoding

NTSC@ 30fps	Up to Full D1(720x480)
PAL @ 25fps	Up to Full D1(720x576)
Compression	MPEG-4 / MJPEG for video

Wireless Communication - WiFi Short Range

Standard (for Smartphones, iPhone, PC)	IEEE 802.11a; 802.11b; 802.11g;
Frequency: 2.4 GHz up to 54Mbps	Transmission Dist. up to 100m (Open Air)

Environment

Weight	< 1300g (without battery)
Protection	IP 68
Operating Temperature range	-20; + 80°C
Short time	up to 260°C for 8 min
Pulses	500°C
Certification	CE compliant
Internal Li-Ion Battery	Li-Ion

iFalconHP Lite

Colour Thermal and Visible System with Wi-Fi

Thermocamera 7.5-14um

Detector Type	Uncooled IR Microbolometer
Resolution	324 x 256 pixels
Frame Rate	50-60Hz
Temperature Measurement and Isotherms	YES (Spot meter in Celsius or Fahrenheit)
Video	NTSC or PAL
Temperature Sensitivity	< 0.05°C with F/1.0
Dynamic Range	-40°C to +600°C (1100°F)
Palette	11 Color User Selectable
Field of View	45°(H) x 35°(V) (57° diagonal)
Focus	Fixed 3' to infinity
Zoom digital	2X, 4X

Colour Camera SD with fixed focus

Detector Type	CMOS
Pixel	640 x 480
Sensor Sensitivity	0.025 lux (50 IRE) F1.2 32000K
Focal	8mm

Display LCD

Size	5.7"
Resolution	640x480 RGB
Dimension	5.7" diagonal
Back Light	LED

Environment

Weight	< 1250g (without battery)
Protection	IP 68
Operating Temperature range	-20; + 80°C
Certification	CE compliant
Internal Li-Ion Battery	Li-Ion



Accessories Included in all configurations

- Carry case and English manual on USB
- 2 External Li-Ion Battery
- 1 EL-BT-CRG: Wall Plug Battery Charger
- 1 EL-BT-CRG: Vehicle Battery Charger
- Neck Strap and Side Strap

Options Available:

- Thermal Camera Resolution 640 x 480 pixels
- Digital Video Recorder
- Wi-Fi wireless transmission
- Removable Thermal Camera module
- GPS, GLONASS, Galileo, Compass/Beidou, QZSS
- iFalconNET Video Repeater-Long Range RX/TX up to 5km
- Vehicle/Truck mounted video Server/Receiver
- Customizable Colours

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