DATASHEET

Concept Pro

Deep Learning Analytics

Multiple Thermal Recognition Modes

NDAA Compliant

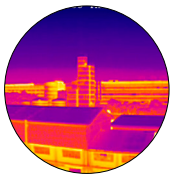
IP66

CP-T43 DL-IP THERMAL RANGE

CP-T4308DL-IP/CP-T4315DL-IP/CP-T4325DL-IP/CP-T4335DL-IP/CP-T4350DL-IP

Concept Pro IP Thermal Camera Range

Concept Pro Thermal Range is great for long range video surveillance and monitoring multiple areas for temperature detection, supporting 17 display modes to highlight temperatures within the scene. Make use of the area temperature detection function where 20 individual areas can be set to detect and alarm based on exceeding a temperature or temperature differences. The Deep Learning Analytics in camera allow improved accuracy to not only locate heat spots that might indicate humans or vehicles, but confirm if they are in fact Humans or Vehicles.



Infared Thermal Imaging

Without any available light source the Thermal Imaging Camera will detect infrared radiation in any weather condition to produce high definition crisp images.

DEEP LEARNING VIDEO ANALYTICS

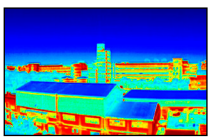
Deep Learning Video Analytics

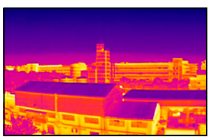
Utilise Deep Learning analytics with thermal cameras to improve the security on site. The Thermal camera can alert you when a possible object of interest is a significant distance away. The Deep Learning analytics can alert you if that object of interest is a person or vehicle as they get closer.

NDAA Compliant

NDAA Compliant

This product uses the latest in chipset technology from Taiwan and is developed without the use of restricted components ensuring the product is NDAA compliant





KEY FEATURES

- Supports up to 16 Temperature Detection areas
- Supports DVE image enchancement features
- Deep Learning Analytics
- Uncooled VOx Micro bolometer
- NDAA Compliant
- Supports Local MicroSD Storage
- Three-axis rotation bracket adjustable for easy installation adjustment
- Sensitivity 40mK
- Up to 17 colour modes

LENS & DISTANCE OPTIONS

- CP-T4350DL-IP - 50mm Lens
  1471m Person | 1471m Fire | 4510m Vehcile
- CP-T4335DL-IP - 35mm Lens
  1029m Person | 1029m Fire | 3137m Vehcile
- CP-T4325DL-IP - 25mm Lens
  735m Person | 735m Fire | 2255m Vehcile
- CP-T4315DL-IP - 15mm Lens
  441m Person | 441m Fire | 1353m Vehcile
- CP-T4308DL-IP - 8mm Lens
  235m Person | 235m Fire | 722m Vehcile

RECOMMENDED ACCESSORIES

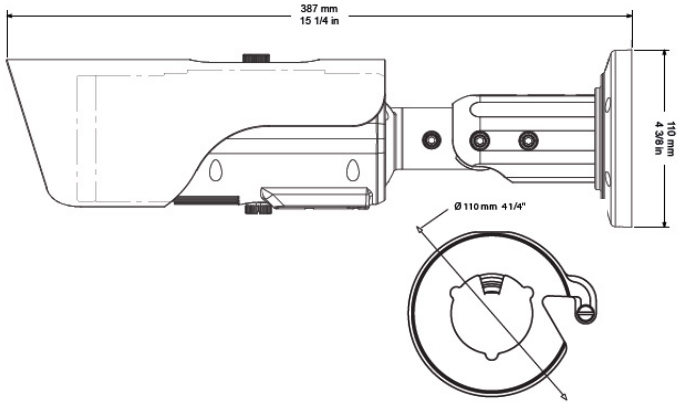
CP-BASE-1-V2-G	Concept Pro Small Junction Box - Black Grey
CP-WM-1-V2-G	Concept Pro Small Wall Mount - Black Grey
CP-PM-1-V2-G	Concept Pro Small Pendant Mount - Black Grey
CP-PLM-V2	Concept Pro Pole Mount
CP-CM-V2	Concept Pro Corner Mount
CAT6-305	305m CAT 6 Cable (Green)
VA-SW4/8/16POE-IP	4/8/16 Channel POE Switch

CP-T43 DL-IP THERMAL RANGE

Concept Pro 4 IP Thermal Camera Range

SPECIFICATION

THERMAL CAMERA					
Detector Type	Uncooled VOx Micro bolometer 400×300				
Effective Pixels	400(H) ×300(V)				
Pixel Size	17um				
Thermal Sensitivity (NETD)	40mK @F1.0, 300K				
Spectral Range	8~14um				
Image Setting	Brightness/Sharpness/Contrast/Mirror/FFC/3D DNR				
Color Palettes	Black-Heat /White-Heat/Rainbow/Iron-Red up to 17 modes				
THERMAL LENS					
Lens Type	Fixed				
Focus Control	Manual Focus				
Focal Length	8mm	15mm	25mm	35mm	50mm
F No.	F1.0	F1.0	F1.0	F1.0	F1.0
Angle of View	H: 46°	H: 25.5°	H: 15.4°	H: 11°	H: 7.7°
	V:35.3°	V:19.2°	V:11.6°	V:9°	V:5.8°
THERMAL DETECTION DISTANCE					
Focal Length	8mm	15mm	25mm	35mm	50mm
Detection Distance Fire(1m*1m)	235m	441m	735m	1029m	1471m
Detection Distance Person (1.8m*0.5m)	235m	441m	735m	1029m	1471m
Detection Distance Vehicle (4m*1.5m)	722m	1353m	2255m	3137m	4510m
Recognition Distance Fire (1m*1m)	78m	147m	245m	343m	490m
Recognition Distance Person (1.8m*0.5m)	59m	110m	184m	257m	368m
Recognition Distance Vehicle (4m*1.5m)	180m	338m	564m	789m	1127m
DEEP LEARNING DETECTION DISTANCES					
Focal Length	8mm	15mm	25mm	35mm	50mm
Human Deep Learning Detection Distance	25m	40m	100m	120m	150m
Vehicle Deep Learning Detection Distance	100m	200m	350m	400m	450m
VIDEO AND AUDIO					
Compression	H.265, H.264, MJPEG				
Frame Rate	Main Stream: 400x300 upscaled to 704x576 @ 25/30fps				
	Sub Stream: CIF @25/30fps				
Bit Rate Control	CBR/VBR				
Bit Rate	100Kbps~6Mbps				
Region of Interest	Yes, 8 area				
Electronic Image Stabilization(EIS)	N/A				
Digital Zoom	16x				
Mirror	Yes				
Defog	Yes				
Motion Detection	Yes				
Privacy Masking	Yes, up to 5 areas				
DVE Image Enhance	Yes				
Audio Compression	G.711, AMR, RAW_PCM				

TEMPERATURE DETECTION	
Detection Mode	Spot, Line, Area
Temperature Alarm	Over temperature alarm, Temperature difference alarm
Accuracy	±2°C / ±2%
Response Time	≤30ms
Temperature working environment	-40 °C ~ 60 °C (-40°F ~ 140 °F)
Theoretical Thermal Detection Range	-40 °C ~ 150°C (-40°F ~ 302 °F)
Temperature display mode	Temperature target ≤5°C, Display absolute temperature value;
	Temperature target ≤5°C, Display relative temperature value (temperature difference DEV = highest value - average)
NETWORK	
Ethernet	RJ-45 (10/100 Base-T)
Protocols:	IPv4/IPv6 ,HTTP,RTSP/RTP/RTCP, TCP/UDP, DHCP, DNS, PPPOE, SMTP, SIP ,802.1x
Interoperability	ONVIF, CGI, SDK
Streaming Method	Unicast
Max. User Access	10 Users
Edge Storage	Mirco SD card up to 128GB
Web Viewer	<IE11, Chrome, Firefox, Edge, Safari
Web Language	English, Chinese, Polish, Italian, Portuguese, Spanish. Russian, French, Czech, Hungarian
INTERFACE	
Ethernet	1 Ethernet (10/100 Base-T) RJ-45 Connector
Audio Interface	1ch Audio In,1ch Audio Out
Alarm	2ch Alarm In,2ch Alarm Out
RS485, SVO, Reset	Yes
GENERAL	
Power Supply	DC12V/POE
Power Consumption	Max 5W
Operating Temperature	-40 °C ~ 60 °C (14°F ~ 131 °F)
Storage Conditions	0~ 90% RH
Certifications	CE /FCC
Ingress Protection	IP66
Casing	Metal
Dimensions	Ø110×388mm
Net Weight	1900g

DIMENSIONS