



## C-AllView Thermal (Hi-Resolution)

### High Speed Rugged Dual Thermal and Optical Pan / Tilt Cameras

# DATA SHEET



Utilising the combined technologies of thermal and optical devices, both long (up to 500m) and shorter distance detection and then identification (by use of 36x optical zoom) of persons or vehicles is possible.

An electronic and mechanical sun protection circuit fitted to the thermal camera ensures that no damage occurs to the product even when pointed directly at the sun.

The advantage is clear, thermal detection of intruders at long range, day or night, rain or fog with a simultaneous optical video output for video verification. The fully integrated thermal/optical unit can also be used to provide accurate temperature indication of fire or thermographic applications with extensive colour overlay options and temperature scale.

The thermal module provides a better target resolution and longer stand-off range. A 30 Micron detector provides realtime 25Hz frame rate (licence required), plus state-of-the-art thermal sensitivity and dynamic range. An 9Hz Licence exempt version is also available. Sophisticated histogram-based image processing and video output pixel interpolation resolution produces best in-class image quality at all times.

The C-AllView PTZ camera has been cast from aluminium, hard anodised and powder coated to protect from scratching, oxidation or attack from solvents, making it vandal resistant and suitable for most environments. The replaceable front glass window is also toughened. It has been designed to take substantial impacts from thrown objects and is resistant to ballistic attacks.

Pole or pendant mounting positions are a standard feature of the C-AllView and finish can be in matt black or matt white. Both downward views and upward views are possible making the C-AllView a highly versatile and adaptable solution.

The main advantage for the installer is: easy to install, simple to set up and excellent picture quality. 14 different protocols are loaded as standard giving even more flexibility to existing installations.

The vertical axis mounting side arms can be tilted forward to give a complete 360 degree coverage with no blind spots when mounted upright.

### Key Features

- Combined Thermal and Optical unit
- Vandal resistant
- Dual video output
- Multiple thermal lens options
- Solar guard™ automatic sunlight protection
- Fire mode with temperature scale
- Thermal White hot and Black hot control
- User definable temperature related colour pallet
- Flexible mounting options
- High resolution Day/Night 36x optical camera module
- High resolution 320 x 240 pixel infrared camera core
- Amorphous Silicon Microbolometer detector technology
- Spectral response 7-14 microns
- 25Hz and 9Hz (licence free) units available
- High speed pan and tilt system
- Hard anodised IP67 Aluminium case
- Presets, tours and privacy masks as standard
- Multiple protocols
- Wiper as standard

### Ordering Information:

C-ATDNX36H-50 (B)	9Hz Thermal 50 deg FOV ~ 200 metre man detection 36x optical Black
C-ATDNX36H-25 (B)	9Hz Thermal 25 deg FOV ~ 600 metre man detection 36x optical Black
C-ATDNX36H-12 (B)	9Hz Thermal 12 deg FOV ~ 1000 metre man detection 36x optical Black





## C-AllView Thermal (Hi-Resolution)

### High Speed Rugged Dual Thermal and Optical Pan / Tilt Cameras

#### Technical Specification

Video System	PAL
Video Output	2 x 1.0 V (p-p) / 75 ohm simultaneous
<b>Optical module</b>	
Image Sensor	1/4" IT CCD
Horizontal Resolution	530 TVL
Minimum Illumination	1lux colour, 0.015 lux mono
Horizontal Viewing Angle	2.7 - 48 degrees
Effective Elements	752 (H) x 582 (V)
Zoom	36:1
Lens	3.4 - 122.4 mm
S/N Ratio	>50 dB
Sync System	INT. /L.L.
Gamma Characteristic	0.45
White Balance	ATW, AWB, Manual
Backlight Compensation	Yes
<b>Thermal module</b>	
Material, Structure & Format	Amorphous Silicon Microbolometer (320 x 240 pixel array)
Fixed lens options	50, 25 and 12 degree horizontal field of view
Spectral Response	7-14 micrometer (filter bandwidth)
Thermal Sensitivity	<50mK
Refresh Rate	Realtime 25Hz (Licence) 9Hz (Licence Exempt)
Contrast/Brightness	Advanced Image Processing
Saturation Temperature	1100 degree fahrenheit +/-10% with automatic electronic iris
Focus Method	Manual with removable Germanium protective window
Analogue Output	PAL
Colour palette	Yellow, Orange and Red colour overlay (User temperature definable)
Black hot / White hot	User definable
Temperature indication	User mode with bar graph and decimal indication (centigrade or fahrenheit)
Solar protection	Yes
<b>Pan and Tilt specs</b>	
Pan Rotation	Continuous
Tilt Rotation	290°
Pan & Tilt speed	> 180° per second
Pan Coverage	360 degrees (continuous rotation)
IP Rating	IP67
Mount type	Normal and inverted
Preset Accuracy	14 bit resolution encodes (0.1 degrees)
Preset Positions	32 (256)
Preset Tours	16
Mimic Tours	4 x 1 minute mimic tours
Video gain and lift	16 steps
Preset Titling	Yes
Protocols	Pelco P, Pelco D, Pelco Coaxial, BBV coaxial, VTC, Ultrak, Forward Vision, Sensormatic, Samsung, Kalatel, 360 Vision, Overview OCP, Ikegami, Philips
Controller Interface	RS-485 half duplex data communication Coaxial Telemetry Optional
Alarm	Supports 64 alarms on RS485 bus, external to PTZ unit
Real time clock	Yes
10 Meter cable (included)	10 meter dual RG59 multicore cable (25 meter option available)
Mounting Options	60mm PCD and standard 4" (101.6mm) PCD Plus included 4" column spacer. Various mounting brackets available (call for details)
Power Supply	20-36 V DC / 14-26 V AC
Vandal resistant	Yes
Operating Temperature	-20°C ~ +50°C
Power Consumption Max	20W (Static), 30W (Max)
Weight	7 kg

