



## EAGLE EYE 360Z CAMERA NODE



### DESCRIPTION

Eagle Eye 360 is a 360 degree fully static solid state pan capable camera module for commercial and military applications. The device is outfitted with a 360 degree array of micro imagers and changeable lenses up to 25 mm focal length. Eagle Eye 360 micro imagers are microprocessor controlled and provide individual or seamless 360 degree image resolution with no camera movement. The embedded firmware allows modules to be configured for a broad range of system applications. Eagle Eye is part of CME's Outpost Surveillance™ sensor product line.



▲ INDOOR



▲ OUTDOOR

### APPLICATIONS

A component of CME's wireless sensor network, Eagle Eye is a 360 degree field of view camera array designed for remote unattended target imaging.

### SENSOR NODE APPLICATIONS

- Remote area surveillance
- Electronic security
- Perimeter surveillance
- Force protection sensor
- Facility/infrastructure surveillance

### MARKET APPLICATIONS

- Border protection
- Port security
- Remote areas and ranges
- Sensitive infrastructure and buffer zones
- Intelligence and defense

### KEY FEATURES & BENEFITS

- Steerable 360 degree wide-angle imaging capability, with remote, local, or automatic panning
- Steerable 360 degree telephoto selective imaging, with remote, local, or automatic panning
- Broad selection of wide angle and telephoto lenses
- Rugged solid state design
- Microprocessor controlled
- Wide angle field of view (no moving parts)
- Telephoto field of view (hybrid)
- Color digital image (JPEG Thumbnail to full VGA)
- Wired or wireless serial interface
- Low power, lightweight
- Minimum emplacement & set-up time
- Rapid system start-up
- Designed for pressure bag deployment
- Interface Control Document Available

**SPECIFICATIONS**

<b>IMAGE FORMAT</b>	JPEG
<b>IMAGE SIZE</b>	Four sizes from thumbnail to VGA (640 x 480 pixels)
<b>LENS FOCAL LENGTH</b>	Fixed at 2.8 mm focal length
<b>ZOOM LENS</b>	Selectable to 25 mm focal length
<b>SOLID STATE IMAGERS</b>	16 Micro-imagers
<b>COMM PROTOCOL</b>	Serial
<b>BAUD RATE</b>	19.2 kbps - 115.2 kbps
<b>IMAGE CAPTURE TIME</b>	3 sec from off mode or <1 ms from on mode
<b>IR FILTER</b>	Optional
<b>AZIMUTH COVERAGE</b>	360 degree overlapping pan
<b>ZOOM CAMS</b>	Target Track at <1 degree angular resolution
<b>COMPASS RESOLUTION</b>	Solid-state compass with 1 degree resolution
<b>IMAGE SELECT</b>	Magnetic heading selectable
<b>POWER</b>	12 to 18 VDC external
<b>POWER CONSUMPTION</b>	<30 mA plus sleep mode
<b>DIMENSIONS</b>	4 in x 11.9 in
<b>WEIGHT</b>	5 pounds
<b>ENCLOSURE</b>	Weatherproof non-metallic
<b>INTERFACE SPEC</b>	Interface control document available

