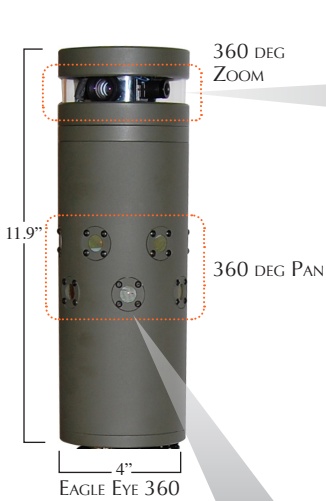




EAGLE EYE 360Z CAMERA NODE



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

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

