

COMPACT PAN/TILT CAMERA SYSTEM - WP8 Recessed Ceiling Dome



DESCRIPTION

Our recessed ceiling mount WP8 miniature pan/tilt is designed for use in any type of ceiling. Units feature a choice of standard or hi-res black and white, and standard or hi-res color cameras, with fixed, vari-focal, or auto iris vari-focal lenses. Both a hi-res day/night and 3x digital zoom hi-res cameras are also available.

FEATURES

- Compatible with Videolarm VLC485, Sensormatic 422, Pelco P and Pelco D Protocols
- Can be used as a pan/tilt OR a scanner
- Stamped steel body
- ABS plastic trim ring
- Clear or tinted polycarbonate dome

CAMERA/LENS CHOICES

- Standard or hi-res b/w
- Standard or hi res color
- Hi-res day/night
- Fixed 3.6mm
- Vari-focal 4-8mm
- Auto iris 4-9mm
- Available with pan/tilt/3x digital zoom with hi-res color camera and fixed lens

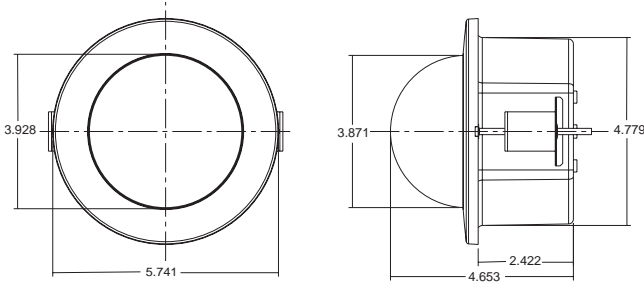
CERTIFICATIONS

Designed for NEMA 4, IP65



ARCHITECTURAL/ENGINEERING SPECIFICATIONS

The recessed ceiling mount housing shall be a WP8, with a body manufactured from 20-gauge stamped steel. The dome shall be manufactured from 1/8" clear or tinted polycarbonate and be able to withstand a 10 lb. drop test on the apex of the dome. The pan/tilt shall feature stepper motors, ball bearings, and belt drive. Its maximum panning speed shall be 120° per second, with a maximum tilt speed of 90° per second. The preset accuracy shall be +/- .75°. Power consumption for the camera and pan/tilt is 12 watts (VA). The WP8 shall be compatible with VLC485, Kalatel, Sensormatic 422, and Pelco P protocols. Available cameras shall include standard or hi-res black and white, standard or hi-res color, and hi-res day/night. A trim ring shall be included, and shall be constructed of ABS plastic.



ELECTRICAL SPECIFICATIONS

Input Voltage	16 - 28 VAC or VDC. Must be a regulated power supply
Power Consumption	12W (vA)
Video Connector	BNC

MECHANICAL SPECIFICATIONS

Cable Entry	One 1/2" conduit opening
Pan/Tilt	Manual; 20° pan / 10° to 60° tilt in ceiling mount applications

ENVIRONMENTAL SPECIFICATIONS

Temperature Range	0° to 120° F
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CONSTRUCTION

Body - 20-gauge stamped steel
Dome - 1/8" polycarbonate
Trim Ring - ABS plastic

DIMENSIONS

Base	.875" (H) x 4.78" (W)
Dome	3.875" diameter
Trim Ring	5.7" diameter

PAN/TILT SPECIFICATIONS

Control	RS485
Panning	355°
Tilting	0° to -90°
Panning Speed	0° to 120° per second (Scanner Mode 7° per second)
Tilting Speed	0° to 90° per second
Digital Zoom (optional)	3x
Preset Accuracy	+/- .7°
Number of Presets	63
Inputs	6 (position connector) Flying Lead (2) Power (24VAC 5060 Hz./16-28 VDC) (2) Control (485, 2 wire) (1) Gnd (1) NC
Outputs	Video BNC
Construction	
Bearings	Ball Bearing
Motors	(2) Permanent Magnet Stepper Motor
Drive	Belt driven

CAMERA SPECIFICATIONS - see page 29

OPTION

VLC485	RS485 Controller
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SHIPPING SPECIFICATIONS

Model	Unit Weight	Shipping Weight	Shipping Box Dim.
WS3	3 lbs	4 lbs	9 x 9 x 8

* Shipping weights depend on box dimensions.

VANDAL RESISTANT CAMERAS - Camera and Lens Specifications

WARRIOR CAMERA SPECIFICATIONS

	Standard B/W Camera	Hi-Resolution B/W Camera	Standard Color Camera	Hi-Resolution Color Camera	Hi-Resolution Day and Night Camera	Pan/Tilt/Zoom Hi-Res Color Camera ⁴
Signal System	EIA or CCIR	EIA or CCIR	NTSC or PAL	NTSC or PAL	NTSC or PAL	NTSC or PAL
Imager	1/3" CCD	1/3" CCD	1/3" CCD	1/3" CCD	1/3" CCD	1/3" CCD
Scanning System	2:1 Interlaced	2:1 Interlaced	2:1 Interlaced	2:1 Interlaced	2:1 Interlaced	2:1 Interlaced
Synchronizing System	12 VDC internal	12 VDC internal	12 VDC internal	12 VDC internal	12 VDC internal	12 VDC internal
Horizontal Resolution	420 TV Lines	570 TV Lines	350 TV Lines	480 TV Lines	480 TV Lines	480 TV Lines
Signal-to-Noise Ratio	More than 48 dB	More than 48 dB	50 dB or better	50 dB or better	50 dB or better	More than 48 dB
Minimum Illumination	0.1 Lux (F1.2)	0.08 Lux (F1.2)	0.3 Lux (F1.2)	0.4 Lux (F1.2)	Color - 0.4 Lux (F1.2) B/W - 0.08 Lux (F1.2) Switches to B/W at 1.6 Lux	0.4 Lux (F1.2)
Video Output	1Vp-p 75 ohm composite	1Vp-p 75 ohm composite	1Vp-p 75 ohm composite	1Vp-p 75 ohm composite	1Vp-p 75 ohm composite	1Vp-p 75 ohm composite
Gain Control	Auto	Auto	ON/OFF selectable dip switch	ON/OFF selectable dip switch	ON/OFF selectable dip switch	Selectable, RS232C controllable
Electronic Iris	Auto	Auto	ON/OFF selectable dip switch	ON/OFF selectable dip switch	ON/OFF selectable dip switch	
Auto Iris Control	N/A	DC Drive Iris Control w/adjustable level	DC Drive Iris Control w/adjustable level	DC Drive Iris Control w/adjustable level	DC Drive Iris Control w/adjustable level	N/A
Switchable Shutter Speed	1/50 1/60 - 1/100,000 sec.	1/50 1/60 - 1/100,000 sec.	Manual: 1/60, 1/100, 1/1000, 1/100000 dip switch	Manual: 1/60, 1/100, 1/1000, 1/100000 dip switch	Manual: 1/60, 1/100, 1/1000, 1/100000 dip switch	Selectable, RS232C controllable
White Balance	N/A	N/A	AWB/Indoor/Outdoor/ATW	AWB/Indoor/Outdoor/ATW	AWB/Indoor/Outdoor/ATW	Selectable, RS232C controllable
Flickerless	N/A	N/A	ON/OFF selectable dip switch	ON/OFF selectable dip switch	ON/OFF selectable dip switch	ON/OFF selectable dip switch
Backlight Compensation	Auto	Auto	ON/OFF selectable dip switch	ON/OFF selectable dip switch	ON/OFF selectable dip switch	Selectable, RS232C controllable
Lenses	2.5,3.6,6.8,12,16mm Fixed ³ 4-8mm Fixed Iris Varifocal ¹	2.5,3.6,6.8,8,12,16mm Fixed ³ 4-8mm Fixed Iris Varifocal ¹ 3.5-8mm Auto-Iris Varifocal ^{1,2}	2.5,3.6,6.8,12,16mm Fixed ³ 4-8mm Fixed Iris Varifocal ^{1,2} 4-9mm Auto-Iris Varifocal ^{1,2}	2.5,3.6,6.8,12,16mm Fixed ³ 4-8mm Fixed Iris Varifocal ¹ 4-9mm Auto-Iris Varifocal ^{1,2}	2.5,3.6,6.8,12,16mm Fixed ³ 4-8mm Fixed Iris Varifocal ^{1,2} 4-9mm Auto-Iris Varifocal ^{1,2}	2.5,3.6,6.8,12,16mm Fixed ³ 3x Digital Zoom

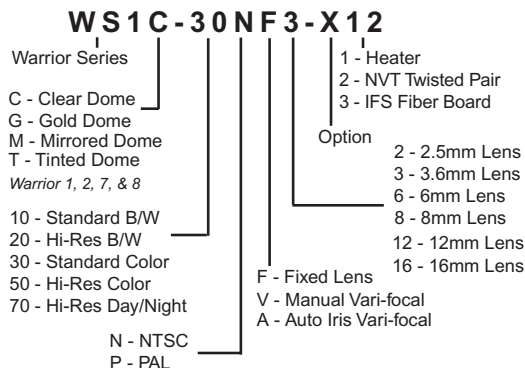
1 - Not available on Warrior 5 and 6 2 - Not available on Warrior Pan/Tilt 3 - Warrior 5 and 6 2.5mm and 3.6mm only 4 - Warrior 1, 7, and 8 only

WARRIOR LENS SPECIFICATIONS

FIXED LENSES						
Focal Length	2.5mm	3.6mm	6mm	8mm	12mm	16mm
Format Size	1/3"	1/3"	1/3"	1/3"	1/3"	1/3"
Relative Aperture (F)	2.0	2.0	2.0	2.0	2.0	2.0

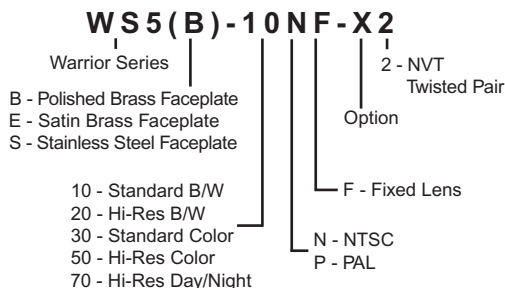
VARIFOCA LENSES		
Focal Length	4-8mm fixed	4-9mm auto iris
Format Size	1/3"	1/3"
Relative Aperture (F)	2 - 2.6	1.6 - 2.4

WARRIOR 1-4, 7-8 MODEL CHART

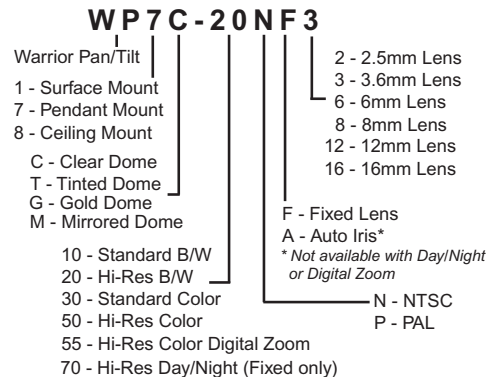


Some options may not be available on all models

WARRIOR 5 AND 6 MODEL CHART



WARRIOR PAN/TILT MODEL CHART



Product specifications are subject to change without notice.