

## THE PILOT DUAL CAMERA SYSTEM



The Pilot Surveillance Node features cutting edge surveillance capability in a rugged, reliable package; the type of performance you expect from Quickset products. Its dual camera configuration and advanced design allow it to excel in situations where 24/7 surveillance capability is essential.

Applications for The Pilot include situational awareness for military vehicles, local surveillance capability for first responders and remote sensing for unmanned ground vehicles. The combination of light weight and outstanding performance make it ideal for man portable systems that require a reliable system that is easy to set-up and use.

### The Pilot Dual Camera System

The visible spectrum (day) camera provides excellent performance in conditions ranging from bright day light to very low level ambient lighting. The LWIR spectrum (night) camera provides effective imaging throughout all times of the day and night. Together, they yield a complete picture of your region of interest.

Pilot provides continuous rotation in pan and 180 degrees of travel in tilt. At speeds up to 100 deg/sec it can reach any point in its field of regard in about 2 second with position locking for high wind loads or mobile applications. It includes the newest electronics platform and software package ensuring scalability.



# THE PILOT



Models:

**PLVTS-S14XXN-F10F1NF**

Pilot Dual Camera System - 1/4" CCD  
Visible & 25mm 320x256 thermal

**PLVTS-S14XXN-F11F1NF**

Pilot Dual Camera System - 1/4" CCD  
Visible & 25mm 640x480 thermal

**PLVTS-S14XXN-F10F2NF**

Pilot Dual Camera System - 1/4" CCD  
Visible & 50mm 320x256 thermal

**PLVTS-S14XXN-F11F2NF**

Pilot Dual Camera System - 1/4" CCD  
Visible & 50mm 640x480 thermal

## SPECIFICATIONS

### SYSTEM

Feedback:	Resonant Induction
Repeatability:	<0.05°
Pan Speed:	.005 - 200°/sec
Tilt Speed:	.005 - 100°/sec
Pan Range:	Continuous Rotation
Tilt Range:	180° (± 90°)
Weight:	16 lbs
Power:	75w Max; 10-32VDC
Communication:	RS-422
Control Protocols:	QuickSet or Limited Pelco D
Dimensions	(H x W): 8.20" x 10.74" (20.83 x 27.0cm) Rotational Envelope

### VISIBLE CAMERA

Key Features:	– Wide Dynamic Range Technology – Auto IR-cut Filter Removal (Auto ICR) – Image Stabilization – High resolution & sensitivity Images – Advanced Spherical Privacy Zone – Slow AE Response Function
Sensor Size:	1/4" CCD
Lens:	Integrated
Lens Features:	10x optical zoom, F1.8 to F2.9 f= 4.2mm (wide) to 42.0 (tele)
Angle of View:	46° (wide end) to 4.6° (tele end)
F/#:	1.8 - 2.9
Digital Zoom:	10x (120x with optical zoom)
Output Format:	NTSC or PAL
Minimum Illumination:	1.0 lux (F1.8 NTSC: 1/60 sec, PAL: 1/50 sec)

### THERMAL CAMERA\*

Key Features:	– Digital Zoom – Auto Gain & Auto Level
Sensor Size:	320 x 240 or 640 x 480
Pixel Pitch:	17 µm
Lens Features:	Athermalized
Focal Length:	50mm
FOV:	12.4°
F/#:	1.2
Digital Zoom:	1x - 4x
Output Format:	NTSC or PAL (field switchable)



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