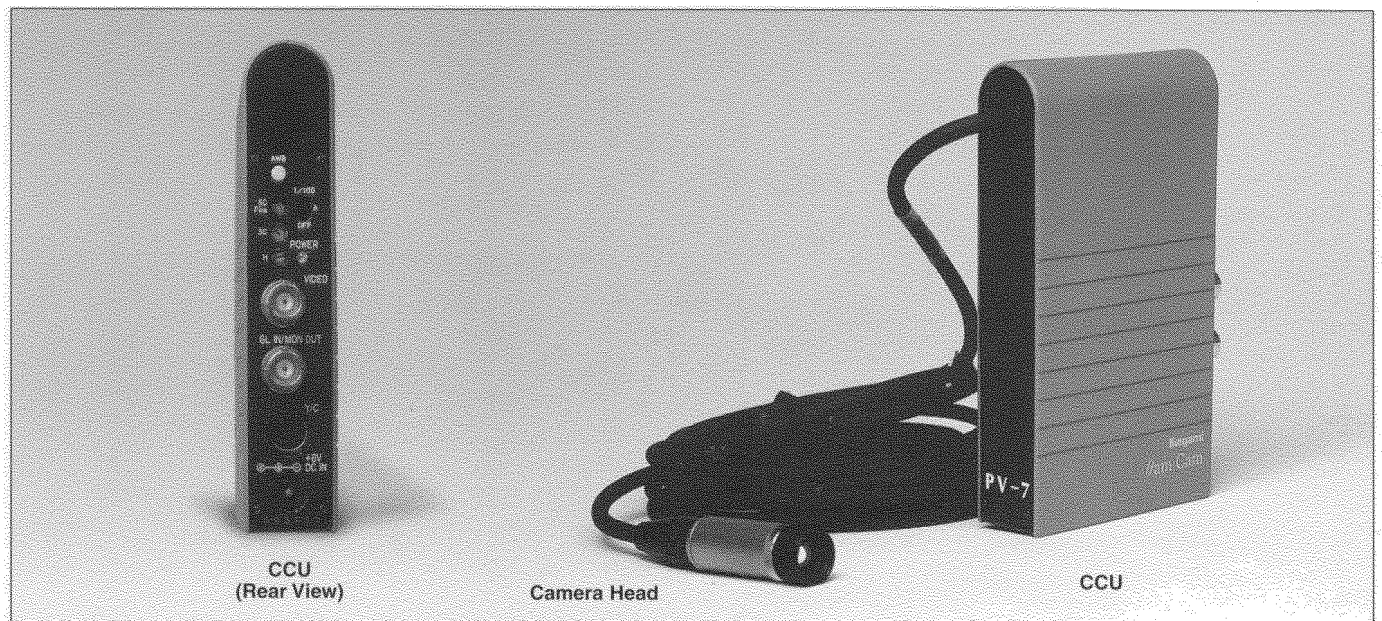


1/2" CCD

PV-7A Series

Ultra-Compact Digital Processing Color Video Camera

■ Description

The Ikegami PV-7A is a 1/2" CCD ultra-compact two-piece color camera employing Digital Signal Processing Circuitry. The PV-7A micro-head color camera connects to the CCU via a 3.5m (11.4ft.), cable.

The PV-7A offers an amazing 480 horizontal TV line resolution for crisp color detail with a minimum low light object sensitivity of 5 Lux (.05 fc), at f1.4.

Other features of the Ikegami PV-7A include both standard and Y/C video outputs; Genlock input; Auto White Balance (AWB) circuit for superior color rendition; Auto Electronic Shutter Control (AESC) for use of non-auto iris lenses and a DC-powered CCU for both portable and permanent applications.

Some of the Ikegami PV-7A accessories which can be purchased include a selection of micro-size lenses; C-mount adapter for use of standard-type lenses; an AC power pack which allows the PV-7A to be powered from a 120VAC source and more.

The Ikegami PV-7A is ideal for all color applications where space and portability are required. The PV-7A can even be utilized for vehicle applications such as school buses, trains, planes and even for police and military applications. The PV-7A's CCU is so small it can be hidden inside a pocket for covert applications.

■ Features

- 1/2" Color DSP-Type CCD
- 480 Horizontal TV Line Resolution
- Micro "Lipstick"-Type Camera Head
- Small Compact Size CCU
- Composite and Y/C Video Outputs
- Genlock Input
- DC Power Input on CCU
- Separate Camera and Monitor Video Outputs
- Large List of Accessories to Enhance Operation
- Ideal for Vehicle, Covert and Machine-Vision Applications
- Available in Kit Form (PV-7A/KIT), with most popular accessories packaged together.

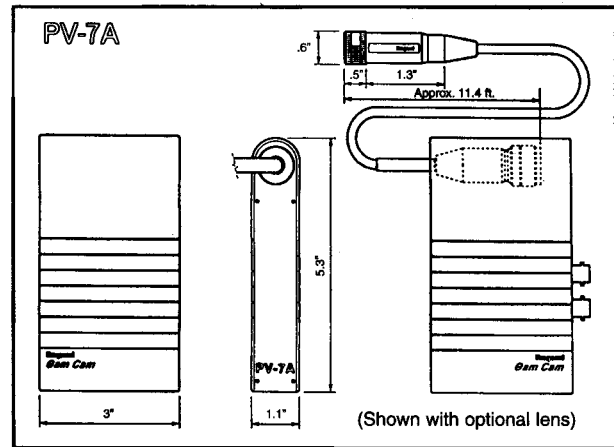
PV-7A Series 1/2" CCD

Ultra Compact Digital Processing Color Video Camera

■ Specifications

| | |
|----------------------------|--|
| Image Sensor | 1/2" Interline Transfer CCD (DSP-type) |
| Picture Elements | 752(H) X 582(H), 440,000 Pixels |
| Sensing Area | 6.4mm(H) X 4.8(V) |
| Synchronization | Built-in Sync Signal/External Sync signal (BBS or VBS) |
| Resolution | Horizontal: 480 TV Lines |
| S/N Ratio | 48dB or more (In Gamma, Chroma, DTL: OFF, Fc and Fsc: ON, HPF: 100kHz) |
| Sensitivity | 5 Lux (.05 fc) Minimum Object Illumination (f1.4 - 75% Reflectance) |
| AESC | 1/60 to 1/10,000 second |
| Video Out Signal | Video (1.0Vp-p), Composite (BNC)/ Y/C Signal (S-Video) |
| Monitor Output | Video (1.0Vp-p), Composite (BNC) (GL signal cannot be used) |
| Controls | AWB Auto White Balance (Built-in)/ SC Phase Course Controller/SC Phase Fine Controller/H. Phase Controller |
| Power Input | +6 to +9VDC 4.5VA |
| Ambient Temperature | 0°C to +50°C (+32°F to +122°F) |
| Weight | Camera Head: 1oz. (28g), (without Cable and Lens) CCU: 7.1oz. (200g) |
| Size | Camera Head: .6" Dia. x 1.3"(D) CCU: 5.3"(H) x 3"(W) x 1.1"(D) |
| Configuration: | PV-7A/KIT - One each of the following: PV-7A (Camera/CCU/Cable), AC-V515 AC Power Pack (120VAC to +6VDC), THD-M3GN Camera Tripod (w/THD-MT Tripod Adapter) and L11R5-12 (11.5mm Standard Lens). PV-7A - Camera Head, CCU and Cable. (No lens or any accessories) |
| Accessories: | L11R5-12 - 11.5mm f1.4 Standard Lens L4-20 - 4mm f2.0 Wide Angle Lens THD-MT - Tripod Adapter (Allows camera head to attach to 1/4" x 20 screw mount) THD-M3GN - Camera Tripod (Expands from 8" to 4ft.). Includes THD-MT Tripod Adapter. XY-84 - C-Mount Adapter (For C-Mount lenses with thread depth of less than 4.5mm) AC-V515 - AC Power Pack (Provides +6VDC to CCU, with 120VAC Plug-in power input). Supplied with cable. |

■ Dimensions



■ Accessories



Design and specifications are subject to change without prior notice.

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