

PVCM-36: High Performance Black and White Camera



CCD Sensor: 1/3" CCD, mounted on PCB
Picture Elements: CCIR - 512(H) x582 (V)
EIA - 512(H) x492 (V)
Horizontal Resolution: >380 TVL - center of the picture
Sensitivity: Integrated lens - <0.1 LUX
CS-Mount Lens - <1.0 LUX
Signal to Noise Ratio: > 48 dB/AGC off
Gamma: optional 1.0
Gain Control: AGC optional manual control 0-3 V DC
Contour Enhancement: implemented
Output: 1 Vpp baseband video
Power Supply: 12 V DC < +/-20%
Synchronization: free running – crystal or LC
Black Light Compensation: selectable on module PCB by component jumper
Mirror Mode: selectable on module PCB by component jumper
Flicker-less Mode: selectable on module PCB by component jumper
Focal Length: integrated only 3.8 mm / 8 mm lens
Angles of View: integrated only 72 deg. horizontal/ >54 deg. Vertical
Relative Aperture: integrated only F>2.0
Focus: integrated lens only Fixed; 0.5mm infinity
Interfaces: board connector w/ power & video output

The PVCM-36 is a black and white camera in an economical 32 mm standard size with many unique functions. It is available in 50 Hz or 60 Hz models with 380 TVL. It has a 12 V DC protected power supply. The PVCM-36 has a mirror mode option and composite blanking output that can be selected on the module PCB by a component jumper. It also has AGC or manual gain control, iris output (which is in on/off flicker-less mode) and video Iris. In addition, the PVCM-36 has an AC or DC coupled video and HD blanking option.

There are numerous applications for the low cost, high performance camera including monitoring, security and surveillance. The versatile operating temperature of -20 to 55 degrees Celsius makes it an ideal choice for cameras in harsh environments. It uses an efficient 12 V DC power supply and less than 1.5 watts power consumption.

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Applications:

Security camera
Confined space 24 hr security
Outdoor and indoor applications

Features & Benefits:

Compact 32 mm x 32 mm size
Versatile storing and operating
optimal temperatures
An output of 1 Vpp baseband
video
Iris: electronic & video iris
Power Consumption: < 1.5 watt
Lens Mount: fixed & CS

Comes in models of PVC3650 -
C/CS Mount
PVC3610 - Integrated
3.8mm
PVB3650 - Metal Housing
Option
PVA3650 - Plastic Housing
Option

Architect Specifications:

The unit shall measure 32 mm x 32 mm. It shall have the output of 1 Vpp baseband video. It shall operate in a temperature range of -20 to 55 degrees Celsius. It shall use 12 V DC power supply and use less than 1.5 watts power consumption. It shall come in models of PVC3650, PVC3610, PVB3650, and PVA3650.

The unit shall be a Pragmatic PVCM 36 high performance black and white camera.

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