

AVT D1-B



Your entrance in the digital world.

The AVT D1-B is a black and white IEEE 1394 VGA C-Mount camera, equipped with a SONY 1/3" type progressive CCD- array.

It operates in 8-Bit or 10-Bit mode, ensuring very high fidelity images. The camera is equipped with asynchronous shutter and software controlled exposure time. With frame rates up to 30 fr/s, the AVT D1 is ideal for image processing and factory automation tasks.

Easy to integrate due to powerful and flexible API (option).

Highlights

- VGA 640 x 480 progressive CCD
- C-Mount, CS-Mount
- ext. async. trigger/shutter
- manual/auto-gain
- manual/auto-exposure
- manual/auto-shutter
- 8 bit (format 0 mode 5)
- 16 bit (format 0 mode 6) (10 bit data)
- isolated tripod adapter
- industrial IEEE1394 connector
- including 4,5m cable

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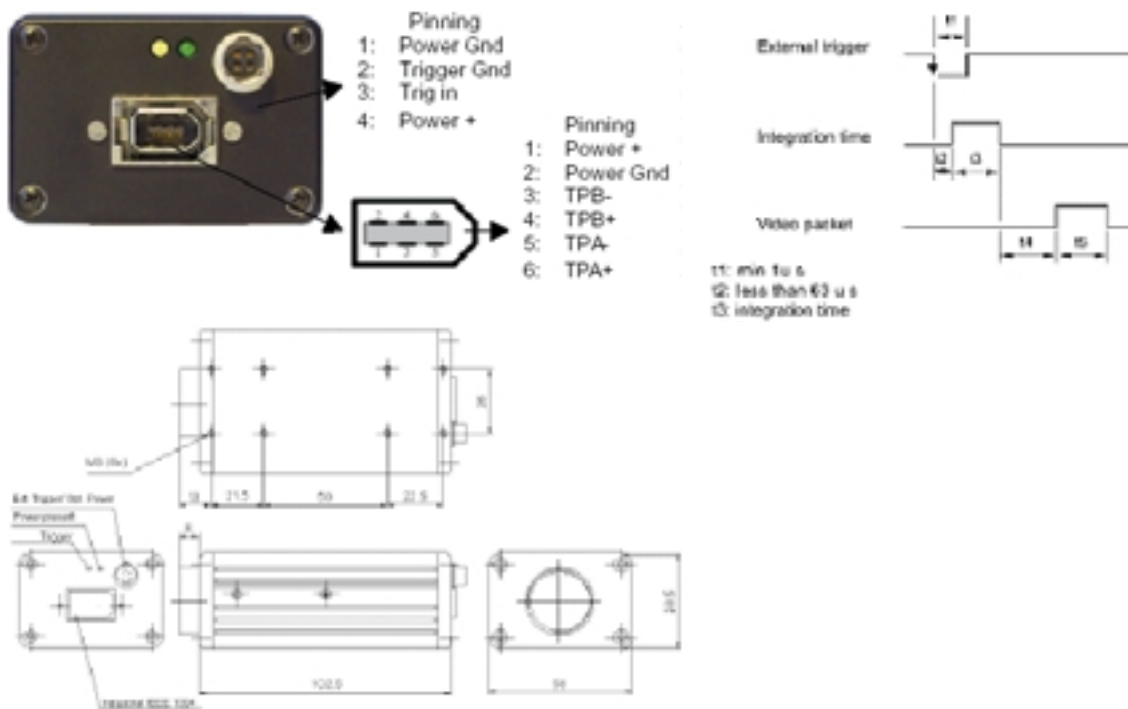


Image Device	1/3 " Type progressive scan SONY IT CCD
Effective Picture Elements	659 (H) x 494 (V)
Lens Mount	C-Mount
Picture Sizes	640 x 480 pixel (Format 0)
Cell Size	7,4 μm x 7,4 μm
Resolution Depth	8 Bit (Format 0 Mode 5) or 10 Bit (Format 0 Mode 6)
Synchronization	Multiple AVT D1 on one bus synchronize automatically
Digital Interface	IEEE 1394; DCAM V1.3
Frame Rates	3,75 Hz; 7,5 Hz; 15 Hz; 30 Hz; External Trigger Shutter
Gain Control	Manual: 0 - 34 dB (0,035 dB/step) or Auto
Shutter Speed	1/16000 sec - 1/30 sec
External Trigger Shutter	Yes, Trgger Mode 0
Auto Modes	Auto-Gain, Auto-Exposure, Auto-Shutter
Transfer Rate	400 Mb/s
Power Requirements	DC 8V - 30V via IEEE 1394 cable
Power Consumption	Less than 2 Watt (at 12V DC)
Dimensions	105 mm x 58 mm x 35 mm (L x W x H); w/o tripod and lens
Mass	220 gr (without lens)
Operating Temperature	+5 - 45 ° Celsius
Storage Temperature	-10 - 60 ° Celsius
Regulations	EN 55022; EN 61000-6-2; FCC Class A
Options	Removable IR-cut-filter, Host Adapter Card, API (FirePackage)