

## VRmDC-8 PRO (color)

Intelligent camera in aluminum housing

### Highlights

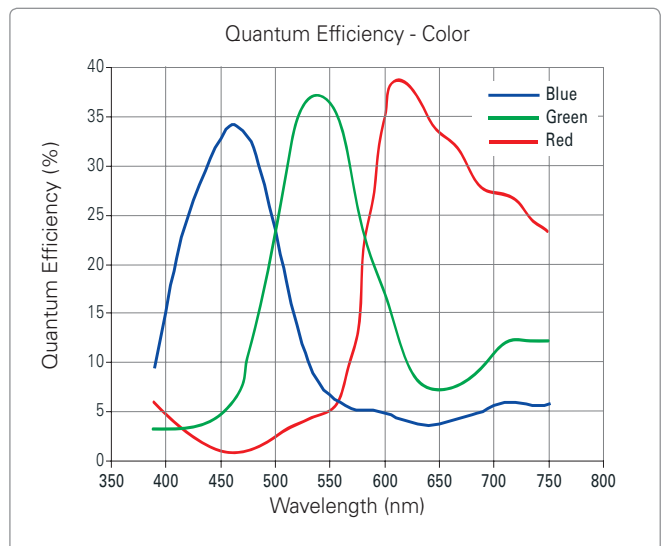
- Camera with 300MHz ARM9-processor
- 600MHz Texas Instruments DSP - 4800 MIPs
- 128 MB RAM
- 512 MB flash-memory
- Standard Debian Linux
- Fully programmable
- Preconfigured toolchain
- Same API on intelligent camera and host
- GCC cross compiler

### Sensor Characteristics

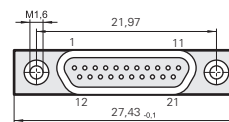
- 2056 x 1544 pixel array size
- Rolling shutter CMOS
- Active pixel size 3.2µm x 3.2µm
- 1/2" optical format
- User programmable windowing and panning
- Bayer RGB color pattern
- Pixelclock 5-48 MHz
- Readout: 8bit or 10 bit
- Anti-blooming circuit
- Responsivity >1.0 V/lux·sec
- Dynamic Range 61dB
- Minimal exposure time (at full resolution) 60µs (at 40MHz pixelclock)
- Freely definable region of interest (ROI)



Image similar to original



### MPE Garry M-0025-50-21



#### Pin Signal

Pin	Signal
1	Ground
2	Strobe - (potential-free)
3	Strobe + (potential-free)
4	Strobe (TTL 5V)
5	Ground
6	Trigger - (potential-free)
7	Trigger + (potential-free)
8	Trigger (TTL 5V)

#### Pin Signal

9	Ground
10	+5V
11	+5V
12	General Purpose Output 41
13	General Purpose Output 37
14	General Purpose Output 39
15	General Purpose Input 40
16	General Purpose Input 53
17	Serial RS232 Transmit
18	Serial RS232 Receive
19	S-Video C (DAC_C)
20	S-Video Y (DAC_B)
21	DAC_A

## Physical characteristics

- High quality aluminum housing with C-Mount
- Housing 46 x 46 x 54 mm
- Various mounting holes
- 10/100 Mbit Ethernet on RJ45
- USB 2.0 host port
- MPE-Garry Micro-T Connector for Trigger/Strobe/RS232/S-Video/GPIOs signals
- 5V power supply, 3W at normal operation, max. 3.5W
- Operating temperature 0°C to 40°C
- Storage temperature -30°C to 80°C
- Objective is NOT included
- IR-cut-filter

## Data Transfer Characteristics

- Supports streaming over Ethernet using TCP/IP

## Options

### Window Glass

- Window glass alternatively to IR-cut-filter

