

USB components

VRmFC-42/C-OEM VRmFC-42/BW-OEM

USB 2.0 Board Level Camera

- Highspeed USB interface
- FPGA chip with 256 MB RAM
- SDK and API included, same API on all cameras
- Trigger input and strobe output

Sensor Characteristics

Type	CMOSIS CMV4000
Technology	CMOS, global shutter
Mono/Color	Monochrome or color
Sensor Size	1"
Resolution	2048 x 2048
Pixel Size	5.5 μm x 5.5 μm
Max. Frame Rate *	24 Hz
Min. Exposure Time	44.3 μs
Bit Depth	8/10 bit
Pixel Clock	4 x 25 MHz
Responsivity	5.56 V/lux-sec
Dynamic Range	60 dB

Camera Features

- User programmable windowing and panning
- Freely definable vertical region of interest (ROI)
- Adjustable anti-blooming circuit
- Parallel operation of multiple cameras possible

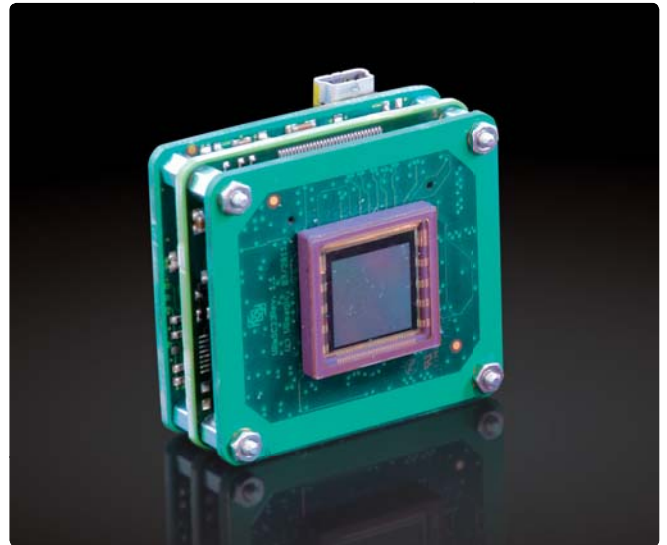
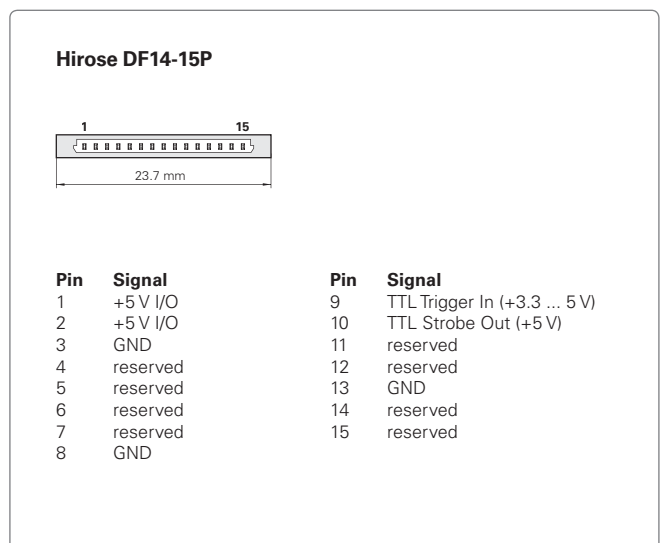
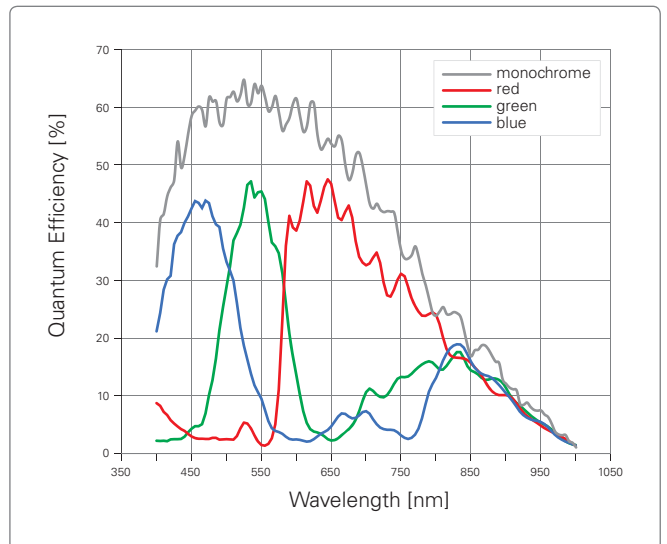


Photo similar to original product



* Maximum value at full ROI with minimum exposure time. Actual value depends on pixel clock, sensor settings, and image format.

Physical Characteristics

Dimensions

Number of Boards	3
Board Stack Size	42 x 40 x 23 mm
Mounting Holes	36 x 32 mm
Inter-board Distance	5 mm

Ambient Conditions

Operating Temperature	0 ... +40 °C
Storage Temperature	-30 ... +80 °C

Interfaces

USB 2.0 port (USB Mini-B); power supply via USB

Hirose DF14-15P for trigger, strobe, and external power supply

