

PSM-10

Progressive Scan Camera

WOLFVISION[®]
Visualizer ENGLISH



WolfVision is not only the **technology leader** in the Visualizer market, but in recent years we also became a very successful **manufacturer of Progressive Scan cameras**.

Originally WolfVision designed Progressive Scan cameras and Progressive Scan lenses only to be integrated our own Visualizers. However, customer demand for these **high resolution motion picture cameras** as stand alone units has been growing in recent years.

The amazing picture quality of the PSM-10 is mainly due to the following components:

- **High resolution CCD**
- **State of the art electronics**
- **Highly sophisticated WolfVision firmware**
- **Real Progressive Scan lens with high resolution and perfect edge focus** (A joint development between - WolfVision and a leading lens manufacturer).

A high resolution Progressive Scan camera with 30 frames per second is the perfect solution for many applications. For example:

- Use as a **lower priced alternative to a Ceiling Visualizer** (using a ceiling mount)
- Use as a **lower priced alternative to a standard Visualizer** (using a table tripod or wall mount)
- **High resolution surveillance**
- **High resolution live camera** (for live image projection)
- **Video conferencing**
- **Machine Vision**
- **Various medical applications** (Telemedicine etc.)

In other words - WolfVision's Progressive Scan cameras can be used in all those applications **where the resolution of a PAL/NTSC video camera is not good enough!**

The Progressive Scan camera PSM-10 is the camera / lens block which is also **used in the popular WolfVision Visualizer model VZ-9**. The VZ-9 enjoys a worldwide reputation as the unit with the **BEST 1-CCD CAMERA ON THE MARKET**.

As this Progressive Scan camera is also perfect to use for various other applications than Visualizers / document cameras, WolfVision now offers it on its own.

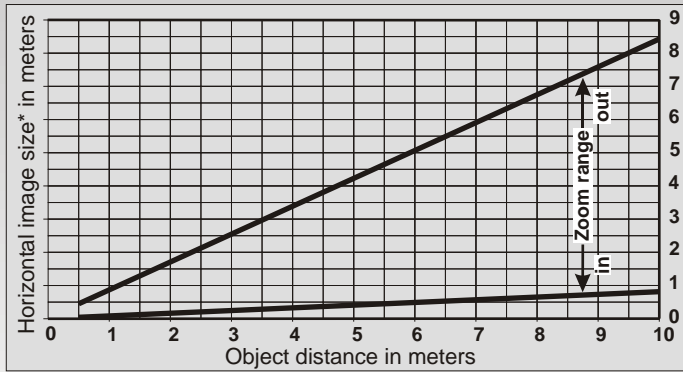
Key features of the PSM-10 are:

- **1-CCD 1/3" XGA Progressive Scan Color Camera**
- **30 frames per second** (real time motion)
- **12x optical motor zoom**
- **2x digital zoom**
- **Manual and auto focus**
- **Manual and auto iris**
- **180 degree image rotation**
- **54mm lens mount for additional lenses or filters**
- **Image freeze and 4 picture memory**
- **On-screen menu** (for positive/negative, color, black/white, power setting, focus, iris, white balance and other settings)
- **RS-232 port**
- **XGA output** (1024 x 768 pixels, at 60 Hz or 75 Hz)
- **Upgradeable firmware**
- **Infrared remote control** (plus external IR-receiver and receiver on camera)

Supplied accessories are:

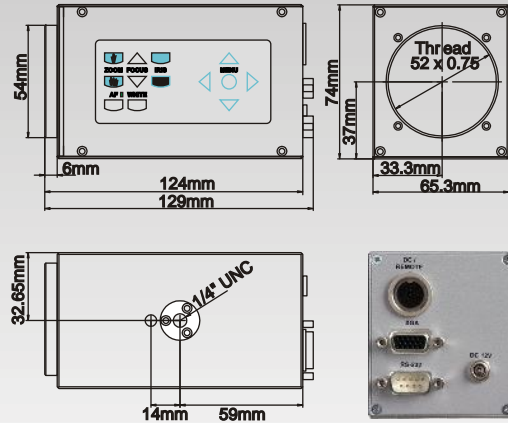
- **12V Power pack**
- **Lens (integrated)**
- **Infrared remote control**
- **External IR-receiver**
- **5m XGA cable**

Distance from camera to object / Picture size:



* Vertical image size= $\frac{\text{horizontal size} \times 3}{4}$

Dimensions



Distance in mm	Smallest picture horizontal size with digital zoom	Smallest picture horizontal size with optical zoom	Largest picture horizontal size
500	26	52	445
750	36	71	658
1.000	45	89	870
1.250	54	107	1.082
1.500	63	125	1.294
1.750	72	143	1.507
2.000	81	162	1.719
2.250	90	180	1.931
2.500	99	198	2.143

Distance in INCH	Smallest picture horizontal size with digital zoom	Smallest picture horizontal size with optical zoom	Largest picture horizontal size
20" (1.66')	1.03"	2.06"	17.53"
30" (2.5')	1.39"	2.78"	25.89"
40" (3.33')	1.75"	3.50"	34.25"
50" (4.16')	2.11"	4.21"	42.60"
60" (5.0')	2.47"	4.93"	50.96"
70" (5.83')	2.82"	5.65"	59.31"
80" (6.66')	3.18"	6.36"	67.67"
90" (7.5')	3.54"	7.08"	76.02"
100" (8.33')	3.90"	7.80"	84.38"

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Technical Data

Active Pixels	1024 (H) x 768 (V)
Pickup System	Progressive Scan 1/3" CCD, RGB
Pictures per second	Real Time Motion switchable 12 / 15 / 20 / 25 / 30 (all with full resolution!)
Horizontal / Vertical resolution	640 lines (with perfect edge focus)
Lens / Zoom	12 x Optical Zoom, f = 5.8-69.6 mm, F = 2.8-3.0
Focus	Continuous AF, One-Push AF, Manual Focus
Digital Zoom	2 x Digital
Lens Structure	10 groups, 13 pieces (2 aspheric.) 0.5 m / 50 mm
Optical Distance	0.5 m till infinite, (optional: close up lens for 0.1 - 0.5m)
XGA-Output	R/G/B/HD/VD, R/G/B: 0.7 Vpp into 75Ohm, 16 Bit color HD/VD: 3.2Vpp into 2.2 kOhm, Vertical frequency: 60Hz or 75Hz
Min. Illumination	5 lux typ.
Iris / Shutter / Gain	Auto-Iris, Manual Iris / Exposure / Gain
White-Balance	Continuous Auto-Tracking, One-Push-Auto, Manual
Controls on the Unit	Zoom, Focus, Iris, Autofocus, White balance, Menu
Operating Temperature	0°C to +40°C (+/- 10%)
Power Requirements	12V DC (+/-10%), 0.5A typ.
Dimensions	65.3 mm (W) x 74 mm (H) x 129 mm (D) 2.6" (W) x 2.9" (H) x 5.1" (D)
Weight	1.100 g
Made in	EU

**Please note: This is a preliminary brochure
Specifications and availability are subject to change!**

More information on our Internet Homepage:
www.wolfvision.com

WOLFVISION
Visualizer

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