



Panorama Cam viewer system is a new system based typically 3 cameras that look over a field of view and then camera images are mixed to be an overlapping high quality panorama view. Cameras can in principle be any camera with PAL signal and they are processed in a processor unit to give the complete view that overlaps the viewed area. Today we have done 3 camera systems that view over 180 degree and tested a 360 degree camera with 5 separate camera units to cover the area. Image above shows an outdoor 3 camera view of 180m degree done 3 standard cameras. Here we leave the black border area visible but we normally cut them away to get a full square image.

Features of Panorama Cam Viewer system

- * Use any camera that have a PAL signal including thermal cameras and others.
- * Stand alone processor unit that handle all data or a USB PC based solution
- * Monitor output as computer screens or analogue monitors and digital monitors
- * 10-25 Hz frame rate
- * Reasonable costs opens up for new applications



Left side the mini camera smaller than a match box. On front we have led illumination to operate in small dark areas.

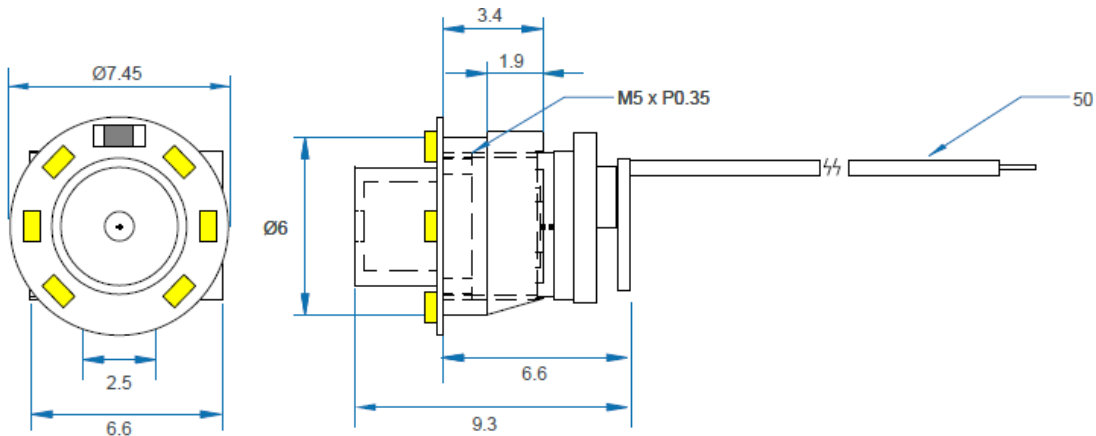
Right side the camera with 3X USB interface for a PC system. Here we need no extra processor box.





This scene shows how the 3 cameras look and then are recombined to a single image. All is done in software so 3 pcs of VGA cameras will by this triple image pixels. Images showed by color.

We offer several camera packages. All from very small units to advanced long range units with high performance. Here we have a small camera unit that is used in the small head we show on images.



Number of effective pixels
Resolution
S/N rate
Minimum illumination
Dynamic range
Frame rate

Horizontal sync frequency
Video output
Storage temperature
Working temperature

Power current
Wire output
Illumination

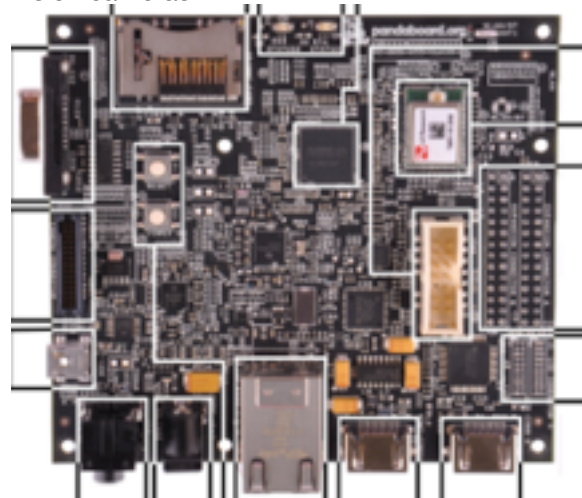
Effective image area Optical format 648 x 488 (NTSC/PAL)
1/4" colour camera 400 TV lines
More than 50dB
Sensitivity 0.1 LUX/F1.2 3.53 [V/Lux.sec]
68.2 (dB)
60 field/sec (NTSC), 50 field/sec (PAL) CVBS NTSC (EIA) –
15.734kHz, PAL CCIR) – 15.625kHz NTS (EIA) – 60Hz, PAL (CCIR)
– 50Hz
0.451Vp-p, 75ohm composite
-30 to 60 degree C
-10 to 45 degree C

DC 3.3V 80 mA-max
3 wire out
White LED x 6

Other encapsulations and versions



We offer this panorama camera with several encapsulations and designs depending on application and demands. Cameras can be small cameras but also thermal cameras and night vision cameras.



All cameras have a processor unit that reads cameras and makes a real-time panorama view. Output is a standard PC or camera monitor.

Operating voltage DC or AC whatever is preferred.

Or if preferred we have a software package for a standard PC system you can use.