

Specification: PiV Model – Ultra12 – 24 frame UHS Camera:

Intensifier:

Input Window Glass
Photocathode S20 / S25,
Typically > 250 μ A/lumen (white light).
Output Window Glass.
Phosphor P46.
Gain Up to 2,000
Output Diameter **40mm**.
Gating 5ns Standard Minimum
w/ 3 ns optional
Resolution 35 lp/mm.

CCD: Kodak KAI-16000M

Pixels 4872 (h) x 3248 (v) with 7.4 μ m pixels
Dynamic Range 12 bit

Optics:

Input Nikon F – mount.
Internal Integral f/1.4 lens relay system.

System: Individual Frames, Double Imaging, Multiple Exposures

Resolution per frame, 1k x 1k
Resolution Combined CCD / II > 1500 TV lines
Exposures 5ns to > 1ms in ns steps
Delays From input trigger 100ns to > 10ms in 10ns steps.
10us minimum between 1st – 2nd set of frames.
Gain Control User programmable 0 to 100% (12 bits).
Triggering TTL Positive, TTL Negative.
Make / Break (self powered).
Outputs User Programmable TTL Gate monitor.
Four User Programmable TTL 'strokes'
Protection Built in mechanical capping shutter.
Software Bespoke application software including full camera control and
Image storage/analysis/export options.
Viewfinder Optical viewfinder for ease of use.
Interface Gigaset Ethernet (**GigE**) direct to PC.

Environmental:

Dimensions (approximate) 105 x 85 x 250mm.
Weight < 3Kg.
Power 25W max (90-264VAC).
Temperature 0°C to 40°C, non-condensing humidity.
Construction Aluminum housing.
Mounting 1/4-20 UNC thread plus 4 x M8 on base.
Documentation and Software Supplied on CD.
Packaging Heavy duty IP65 flight box.

CE and RoHS (Pb free)

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For more information or a demonstration of the camera:
Please contact: Rumbaugh@drs-dis.com or 1-800-248-4686