# Mega Speed MS35K V2

#### Maximum Camera Streaming Speeds And Image Sizes

1920 x 1080 = 140 fps 1280 x 1080 = 222 fps 1280 x 720 = 316 fps 960 x 720 = 421 fps 768 x 600 = 632 fps 640 x 480 = 950 fps 320 x 240 = 3750 fps



MS35K V2 With Gigabit Ethernet

## PRODUCT SPECIFICATIONS

|  | Sensor type:           | Mega Speed B/W or Color CMOS Sensor.                                       |
|--|------------------------|--|
|  | Maximum resolution:    | 1920 x 1080.   |
|  | Pixel size:            | 10um x 10um.   |
|  | Shutter speed:         | Global Electronic Shutter 2us to 30 ms in 2 us steps.                      |
|  | Spectral response:     | 400nm to 1000nm.   |
|  | A-D converter:         | 8 bits.  |
|  | Trigger:               | TTL 3 to 24 VDC via BNC connector centre pin positive active high.         |
|  | Trigger modes:         | Start by TTL, stop by TTL.   |
|  | Sync out:              | TTL 3 VDC via BNC connector centre pin positive active high.               |
|  | Camera size:           | 4" x 4"x 3.4"  |
|  | Camera weight:         | 1000 grams.  |
|  | Camera cable:          | 1 to 100 metres.   |
|  | PCI card:              | PC must have a 5 Gbit Gige PCI card  |
|  | Multiple cameras       | Several cameras can be networked with a Gbit Ethernet hub.                 |
|  | Video output:          | High Speed data to host PC.  |
|  | Ethernet:              | Gigabit Ethernet connectivity.   |
|  | Camera speeds:         | User defined in Software in one FPS increments.                            |
|  | Optical interface:     | Standard "C" Mount or "F" Mount adapters are available.                    |
|  | Back focus:            | Approximately 17.5mm from sensor surface to outer face of thread barrel.   |
|  | Power requirements:    | 12 V DC Centre pin positive. 25 W. 120 / 240 VAC Wall adapter is included. |
|  | Gain adjustments:      | User selectable from software.   |
|  | Image sizes:           | User selectable from factory defaults or by software selection.            |
|  | Capture modes:         | Automatic or manual modes. Start/stop by trigger or hot keys.              |
|  | File saving:           | User can save in AVI format, JPEG or BMP format to PC RAM or hard drive.   |
|  | Image enhancement:     | Bitmaps can be sharpened to bring out better details in captured files.    |
|  | Data Transfer:         | Continuous real time data transfer to your PC.                             |
|  | Data back up:          | PC hard drive only. Camera contains no internal memory.                    |
|  | Playback Rate:         | User selectable from 1 to 300 fps for fast video review.                   |
|  | Software:              | Full Camera Control software and AVI editing functions.                    |
|  | Operating Temperature: | -45° to +45°C  |
|  | Shock rating:          | 100G.  |
|  |                        |  |
|  |                        |  |

## Mega Speed<sup>®</sup> DVR Software **FEATURES**

### **Intuitive And Easy to Understand Menu Layout**

| Main Menu Main Toolbar DVR Statu   | IS File Manager Pane   |
|--|--|
| 2 Cameras connected  | ×  |
| Eile Capture DVR Settings Camera Settings Color Settings View Help   |  |
|  |  |
| Tamera Control   | DVR File Manager   |
| Camera 1 DVR overload: 0 / 6144  | DVR Storage: E:\DVR_FILES\ Change  |
| FPS   Exposure     60   125     25-334   4-166666     Write Speed: 1.7 MB/s (1 second Avg: 1.7 Peak: 1.7 MB/s ) Drive space free: 3,720.5 GB, Aproximately 26 days, 9:21 | Filter Text Start New File List font size  |
| Camera 2   | All Normal HW Trig SW Trig   |
| FPS Exposure Capture Window  | R Name Size  |
| 60 125 Window Rotate Zoom Reticle  | 2016_04_25 - 11_56_45.avi 2.0 MB<br>2016_04_25 - 11_56_38.avi 6.2 MB   |
|  | - 2016_04_25 - 11_56_36.avi 4.5 MB<br>2016_04_25 - 11_56_33.avi 5.7 MB   |
| Frame 222  | 2016_04_25 - 11_46_19.avi 31.5 MB<br>2016_04_25 - 11_37_51.avi 5.3 MB<br>2016_04_25 - 11_37_22.avi 78.3 MB<br>2016_04_25 - 11_36_38.avi 57.2 MB<br>2016_04_25 - 11_35_26.avi 21.4 MB<br>2016_04_25 - 10_50_35.avi 4,175.3 MB<br>2016_04_25 - 10_36_41.avi 885.6 MB |
| teady  | CAP NUM SCRL   |
| Camera Control Pane  | Preview Window   |

#### **File Stitching & Rotation Options For Multiple Cameras**

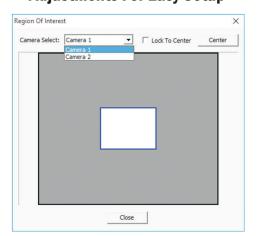
Stitch Options

Rotat
Rotat
Rotat
Rotat
Rotat

Swap Camera positions: Swa Cam1 ↑

| tate 0° (° Rotate 0°<br>tate 90° (° Rotate 90°  | File Length Options                           |   |
|---|---|---|
| bite 90° C Robate 90°<br>tet 180° C Robate 180°<br>tet 270° C Robate 270°<br>(Image Dimensions Must Match)<br>p | When capturing, automatically start new files |   |
| intal<br>al   | C On Multiples of: 10 Minutes -               |   |
| Cam2  | ( After: I Hour ▼ Of Recordin                 | g |
| <b>↑</b>  | ie. If Capture is started at: 12:13:05        |   |
|   | New files start at: 13:13:00<br>14:13:00      |   |
|   | 15: 13:00<br>16: 13:00<br>17: 13:00           |   |
|   | OK Cancel                                     |   |

#### **Dynamic Region Of Interest Flexible Recording Options Adjustments For Easy Setup**



#### www.megaspeedUSA.com