

## VK-S454 Wide Dynamic Range Colour Zoom Camera

|                                |                                              |                                                                                                                         |
|--------------------------------|----------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|
| <b>Signal Format</b>           |                                              | NTSC                                                                                                                    |
| <b>CCD Image Sensor</b>        | <b>Image Size</b>                            | ¼ inch                                                                                                                  |
|                                | <b>Total Pixels</b>                          | 380k (758 x 504)                                                                                                        |
|                                | <b>Effective Pixels</b>                      | 360k (724 x 494)                                                                                                        |
|                                | <b>Practical Pixels</b>                      | 360k (724 x 494)                                                                                                        |
|                                | <b>Progressive Scan</b>                      | Yes                                                                                                                     |
| <b>Lens Optical</b>            | <b>Zoom Magnification</b>                    | 23x (f=3.6 - 82.8 mm)                                                                                                   |
|                                | <b>Practical f-value</b>                     | f=3.6 - 82.8 mm                                                                                                         |
|                                | <b>Practical Horiz Angle</b>                 | 54°(w) - 2.5°(t)                                                                                                        |
|                                | <b>F-value</b>                               | F1.6(w)* - F3.7(t)                                                                                                      |
|                                | <b>Zoom Speed (Manual)</b>                   | 4.2s*/5.8s (soft)                                                                                                       |
|                                | <b>(In Preset:Trace / No-)</b>               | 2.9s/1.6s (soft)                                                                                                        |
| <b>Focus</b>                   | <b>Auto</b>                                  | VAF                                                                                                                     |
|                                | <b>Manual (Far / Near)</b>                   | Provided (soft)                                                                                                         |
|                                | <b>Focal Range</b>                           | infinity-1m(t)-.01m(w)*(soft)                                                                                           |
| <b>IR Cut Filter Removable</b> | <b>Auto</b>                                  | Pro. AER+* (OFF-ON-¼*-¼k)                                                                                               |
|                                | <b>Manual (ON / OFF)</b>                     | Provided (soft)                                                                                                         |
| <b>Durability</b>              | <b>Zoom / Focus / Iris</b>                   | 500k cycles                                                                                                             |
|                                | <b>IR Removable</b>                          | 50k cycles                                                                                                              |
| <b>DSP Functions<br/>DSP-6</b> | <b>Digital Slow Shutter</b>                  | yes (SDRAM I/) w/o WDR                                                                                                  |
|                                | <b>Progressive Scan</b>                      | Yes                                                                                                                     |
|                                | <b>Wide Dynamic Range</b>                    | OFF*/ON (Auto* [offset] /Manual)(soft)                                                                                  |
|                                | <b>Image Reverse</b>                         | OFF*/ON (soft) w/o WDR                                                                                                  |
|                                | <b>Scene Memory (Freeze)</b>                 | OFF*/ON (soft)                                                                                                          |
|                                | <b>Privacy Zone Masking</b>                  | OFF*/ON* (2 positions/movement cont.)(soft)                                                                             |
|                                | <b>Digital Zoom<br/>(Zoom Magnification)</b> | OFF*/ON (2x* [soft:max. 10x])                                                                                           |
| <b>Electrical Shutter</b>      | <b>Auto</b>                                  | Pro. AE (1/60-1/4ks)                                                                                                    |
|                                | <b>Auto (+DS Shutter)</b>                    | Pro. AE+ (½-¼*-¼ks:Seamless)                                                                                            |
|                                | <b>Manual</b>                                | Shutter priority w/o WDR 1/2-1/30ks:soft<br>Exposure priority w/o WDR F1.6-F34:soft<br>AGC priority w/o WDR 0-30dB:soft |
|                                | <b>Manual (Sensitivity)</b>                  | 32x,16x,8x,4x,2x (soft)                                                                                                 |
|                                | <b>Iris</b>                                  | Auto*/(offset:soft) w/o WDR                                                                                             |
|                                | <b>White Balance</b>                         | Auto*/(manu:soft)                                                                                                       |

|                                            |                                     |                              |
|--------------------------------------------|-------------------------------------|------------------------------|
| <b>Horizontal Resolution</b>               | <b>Normal (1 / 60s,1 / 50s)</b>     | 470/(400) TVL                |
|                                            | <b>DSS (1 / 4s, 1 / 3s)</b>         | 470/(400) TVL                |
|                                            | <b>Luminance S / N Ratio</b>        | More than 50 dB              |
| <b>Minimum Sensitivity</b>                 | <b>IR-cut ON(1 / 60s,1 / 50s)</b>   | 3 lx (Colour) (Typical)      |
|                                            | <b>IR-cut ON (1 / 4s, 1 / 3s)</b>   | 0.2 lx (Colour)              |
|                                            | <b>IR-cut ON (1 / 2s, 1 / 1.5s)</b> | 0.1 lx (Colour)              |
|                                            | <b>IR-cut OFF (1 / 4s, 1 / 3s)</b>  | 0.02* lx (B/W*)              |
|                                            | <b>w / IR illuminator (option)</b>  | (0 lx [B/W*])                |
|                                            | <b>In 3m Condition</b>              | (F1.6(w), 300 mV)            |
|                                            | <b>Sync System</b>                  | Internal/Line-Lock (60 Hz)   |
| <b>Power</b>                               | <b>Supplied Voltage</b>             | 9V DC                        |
|                                            | <b>Supplied Current</b>             | 340 mA w/WDR                 |
|                                            | <b>Maximum</b>                      | 540 mA w/WDR                 |
|                                            | <b>Consumption</b>                  | 3.1W (4.6W) w/WDR            |
| <b>Dimension (W x H x D)</b>               |                                     | 50 x 60 x 89.5 mm (w/M-case) |
| <b>Weight</b>                              |                                     | 230 g (w/M-case)             |
| <b>No. of Connectors</b>                   |                                     | 1 (9 pin)                    |
| <b>Operating Temperature (Recommended)</b> |                                     | 0°-60°C<br>(0°-40°C)         |

*\*Default mode*

*WDR=Wide Dynamic Range*