

# NESS TUBECAMS

A VERSATILE FAMILY OF MULTI-PURPOSE TUBE CAMERAS



Part No. 100-728

ZERO LIGHT

## INFRA-RED

The Ness IR TUBE CAMERA features a high resolution colour camera and lens with a built-in multi-LED Infra-red illuminator for vision even under zero lighting.

The Ness IR TUBE CAMERA is a rugged and easy to setup camera which is ideal for applications where lighting is poor or non-existent.

WEATHER RESISTANT IP67 • MACHINED ALUMINIUM BODY • HIGH IMPACT CLEAR WINDOW • SUPPLIED WITH POWER AND VIDEO JACKS ON A ONE METRE CABLE • **SWIVEL BRACKET SUPPLIED**

**WORKS IN ZERO LIGHTING**



Part No. 100-726 Colour High Resolution  
100-727 Colour High Resolution, Day/Night

VARIFOCAL

## VARIFOCAL

Ness Varifocal TUBE CAMERAs feature a high resolution colour camera with 4-9mm manual zoom varifocal lens.

The Ness Varifocal TUBE CAMERAs are rugged and easy to setup with twist grip Zoom and Focus rings built into the camera body.

Both models feature high resolution 480 line CCD imagers. The 100-727 model has an extra high sensitivity Sony ExViewHAD™ CCD for day/night use. Can be used outdoors under cover

DUST TIGHT IP60, for under cover use outdoors • MACHINED ALUMINIUM BODY • HIGH IMPACT CLEAR WINDOW • SUPPLIED WITH POWER AND VIDEO JACKS ON A 1 METRE CABLE • **SWIVEL BRACKET SUPPLIED**

**EASY ADJUSTABLE ZOOM & FOCUS**



Part No. 100-407 Colour Medium Resolution  
100-408 Colour High Resolution

MINIATURE

## MINIATURE COLOUR

The Ness Miniature TUBE CAMERAs are one of the most versatile cameras you could ever use. These cameras are miniature in size and very light-weight, yet include all the features of serious colour surveillance cameras.

Two models are available: 100-407 380 line medium res colour, 100-408 480 line high res colour. Both models are fitted with a 3.6mm lens.

WEATHER RESISTANT IP66 • MACHINED ALUMINIUM BODY • HIGH IMPACT CLEAR WINDOW • SUPPLIED WITH POWER AND VIDEO JACKS ON A 1 METRE CABLE • **SWIVEL BRACKET SUPPLIED**

**ULTRA SMALL BODY - HUGE VALUE**



Part No. 100-387 B/W TubeCam

MINI B/W

## ULTRA MINIATURE B/W

The 100-387 is an ultra miniature B/W tube camera featuring an extra high resolution 400 line CCD with outstanding low light sensitivity of 0.01 Lux.

This camera is one of the smallest sealed body cameras ever made, (see the coin comparison).

WEATHER RESISTANT IP66 • MACHINED ALUMINIUM BODY • HIGH IMPACT CLEAR WINDOW • SUPPLIED WITH POWER AND VIDEO JACKS ON A 1 METRE CABLE • **SWIVEL BRACKET SUPPLIED**

**ONLY 68mm LONG**

| SPECIFICATIONS         | 100-728<br>COLOUR<br>IR TUBECAM                           | 100-726<br>COLOUR<br>VARIFOCAL   | 100-727<br>COLOUR<br>VARIFOCAL<br>DAY/NIGHT | 100-407<br>COLOUR<br>MEDIUM-RES | 100-408<br>COLOUR<br>HIGH-RES | 100-387<br>B/W                  |
|------------------------|---|----------------------------------|---|---------------------------------|-------------------------------|---------------------------------|
| <b>VIDEO</b>           |   |                                  |   |                                 |                               |                                 |
| Image sensor           | 1/3" Sony colour CCD                                      | 1/3" Sony SuperHAD™ colour CCD   | 1/3" Sony ExViewHAD™ colour CCD             | 1/3" CCD (Sharp chipset)        | 1/3" CCD (Sony chipset)       | 1/3" B/W CCD                    |
| Scanning system        | PAL, 625 lines, 2:1 interlaced                            |                                  |   |                                 |                               | CCIR, 625 lines, 2:1 interlaced |
| Effective pixels       | 752(h) x 582(v)   |                                  |   | 500(h) x 582(v)                 | 752(h) x 582(v)               | 500(h) x 582(v)                 |
| Horizontal resolution  | 480 TV lines  |                                  |   | 330 TV lines                    | 480 TV lines                  | 400 TV lines                    |
| Signal to noise ratio  | More than 50dB (AGC off)                                  |                                  |   |                                 |                               |                                 |
| Minimum illumination   | 0.01 Lux @ F2.0 with IR LEDs off<br>0 Lux with IR LEDs on | 0.5 Lux @ F2.0                   | 0.1 Lux @ F2.0                              | 0.5 Lux @ F2.0                  | 0.5 Lux @ F2.0                | 0.01 Lux @ F2.0                 |
| Backlight compensation | Automatic   |                                  |   |                                 |                               |                                 |
| Automatic Gain Control | Auto AGC (4dB – 30dB)                                     |                                  |   |                                 |                               |                                 |
| Gamma correction       | r=0.45  |                                  |   |                                 |                               |                                 |
| Smear effect           | 0.005%  |                                  |   |                                 |                               |                                 |
| Shutter speed          | 1/50 – 1/100,000  |                                  |   |                                 |                               |                                 |
| Lens supplied          | 3.6mm (92°)   | 4 - 9mm Varifocal manual zoom    |   | 3.6mm (92°)                     |                               |                                 |
| <b>ELECTRICAL</b>      |   |                                  |   |                                 |                               |                                 |
| Video output           | Composite video 1V p-p, 75 Ohms                           |                                  |   |                                 |                               |                                 |
| Power requirements     | 12V DC regulated, 500mA or more                           | 12V DC regulated. (9–15VDC)      |   |                                 |                               |                                 |
| Operating current      | 350mA @ 12VDC   | 130mA @ 12V DC                   |   | 90mA @ 12V DC                   |                               |                                 |
| MTBF (IR LEDS)         | 8,000 hours   |                                  |   |                                 |                               |                                 |
| <b>ENVIRONMENTAL</b>   |   |                                  |   |                                 |                               |                                 |
| Operating temperature  | -10°C to +50°C  |                                  |   |                                 |                               |                                 |
| Humidity               | Within 90% RH   |                                  |   |                                 |                               |                                 |
| Weather resistance     | IP67 (temporary water immersion)                          | IP60 (Dust proof only)           |   | IP66 (Water resistant)          |                               |                                 |
| <b>PHYSICAL</b>        |   |                                  |   |                                 |                               |                                 |
| Dimensions             | 130mm (length) x 70mm (diameter)                          | 100mm (length) x 35mm (diameter) |   | 82mm (length) x 23mm (diameter) |                               | 68mm (length) x 20mm (diameter) |
| Weight                 | 615g  | 300g                             |   | 166g                            |                               | 113g                            |
| Connections            | BNC female for video, DC jack for power on 1m cable       |                                  |   |                                 |                               |                                 |
| Mounting bracket       | Swivel bracket supplied.                                  |                                  |   |                                 |                               |                                 |

ALL NESS TUBE CAMERAS ARE SUPPLIED WITH LENS, MOUNTING BRACKET & LEADS

[www.ness.com.au](http://www.ness.com.au)

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**CCTV Products**

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**V**alue

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