

# NESS TUBECAMS

A VERSATILE FAMILY OF MULTI-PURPOSE TUBE CAMERAS



Part No. 100-728

## 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**



4-9mm ZOOM

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

## 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**



380 Line Colour  
480 Line Colour

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

## 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**



400 Line B/W  
High Resolution

Part No. 100-387 B/W TubeCam

## 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**

ZERO LIGHT

VARIFOCAL

MINIATURE

MINI B/W

SPECIFICATIONS	100-728 COLOUR IR TUBECAM	100-726 COLOUR VARIFOCAL	100-727 COLOUR VARIFOCAL DAY/NIGHT	100-407 COLOUR MEDIUM-RES	100-408 COLOUR HIGH-RES	100-387 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 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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**T**o  
**V**alue

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