

DTR-100Z-ADF

Night and Day Explosion Proof Colour TV Camera
with Zoom and Swivelling Head



underwater **vision** specialists

Features

- Replaces Camera with Pan & Tilt Combination
- Explosion Proof
- Absence of Any External Movement
- Excellent Tolerance to Harsh Environment: Chemicals, Climate
- Waterproof IP68 – 5 Bars
- Single Umbilical Cable Link to Controller



Description

With a very compact volume (OD 120mm – L 265mm), the DTR-100Z-ADF explosion proof TV camera (refer to certification chart on back page) offers a x10 optical zoom and tilt/rotate viewing head.

The camera ideal for video surveillance in an explosive risk environment – petrochemical plants, gas storage and transportation, offshore platforms, drilling rigs and drillships.

The DTR-100Z-ADF renders obsolete the traditional solution of an Ex camera, mounted on an Ex pan/tilt unit, offers the following advantages:

- Weight and Volume Reduced by a Factor of 10
- Elimination of the External Cable Linking the Camera to the P/T Unit
- Absence of Any External Movement
- Excellent Tolerance to Harsh Environment: Chemicals, Climate
- Waterproof IP68 -5 Bars
- Night and Day
- Pre-set Positions, Image Rotation and Overlay, Protected IP Access
- Link to the Control Unit by a Single Umbilical Cable



© Bowtech Products Ltd 2012 All rights reserved.
Bowtech Products Ltd reserves the right to change the above specifications without notice.

T +44 1224 772345
F +44 1224 772900

sales@bowtech.co.uk
www.bowtech.co.uk

Last updated 16th May 2013
Revision: 0

Specification – DTR-100Z-ADF

ELECTRICAL

Resolution:	460 TV Lines
Image Sensor:	1/4" CCD HAD – 440,000 Pixels
Sensitivity:	01.5 Lux in Standard Mode (50 IRE), 0.1 Lux in Slow Shutter Mode
Colour Standard:	PAL – NTSC in Option
Scanning:	CCIR 625 Lines, 50Hz
Video Output:	1Vpp – 75 ohms
Signal to Noise Ratio:	>50dB
Power:	7W Maximum

OPTICAL

Lens:	10x Optical Zoom (focal lens 4.2 to 42mm), 4x Digital Zoom
Focus:	Automatic with Remote Control Override
Lens Movement:	Tilt: 0 to +90°, Pan: 360° w/o Stop

MECHANICAL

Dimensions:	L 265mm (w/o connector) – OD 120mm
Tightness:	IP68 - Immersion in 50m
Weight:	4.8kg in Air
Operating Temperature:	See Chart
Connection:	Ex d IIC Explosion Proof Certified
Construction:	Stainless Steel

EXPLOSION PROOF CERTIFICATION

Camera with explosion proof casing, Ex certified by INERIS according to Cenelec standard (ATEX 94/9/EC)

OPTIONS

- Protective Hood Against Mist, Rain, Solar Exposure
- Mounting Plate

CABLE GLAND Version		ROTA CONNECTOR Version
DTR 100 Z ADF INERIS 02 ATEX 0066 X Ex II 2 GD		DTR 100 Z ADF INERIS 02 ATEX 0066 X Ex II 2 G
Ex d IIC T6 Ex tD A21 IP68 T85°C T° Range: -20°C to +55°C CE0081	Ex d IIC T5 Ex tD A21 IP68 T100°C T° Range: -20°C to +60°C CE0081	Ex d IIC T6 T° Range: -20°C to +55°C CE0081

