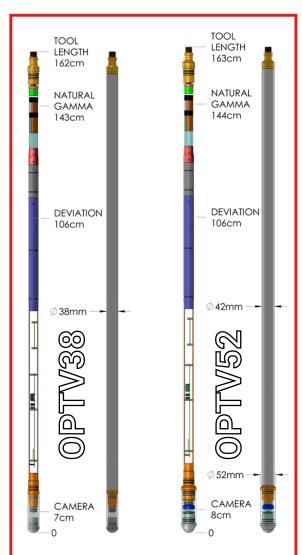
# OPTV38 & OPTV52

## **Borehole imaging - Optical televiewer**







A precision wide angle lens and a CMOS camera assembly permit the OPTV38 and OPTV52 probes to capture a high- definition video image of the borehole wall in a variety of horizontal and vertical resolutions. The resulting image data is digitised in the probe and combined with orientation sensor parameters for transmission to the surface.

The orientated image log provides a wealth of information relevant to a wide variety of applications. These include fracture detection and analysis, bedding or foliation dip and direction, lithological characterisation and core sample orientation.

As an option, the probes can be supplied with a natural gamma detector to provide additional lithological information or for horizon correlation purposes. A high-pressure kit for the **OPTV52** (200 bar / ø62 mm) is also available.

## **Specifications**

- ✓ Diameter:
- √ Length:
- √ Weight:
- √ Max operating T°C:
- √ Max. operating pressure:
- ✓ Recommended max. cable length:
- √ Housing:

#### Data / sensor parameters

- √ Camera:
- √ Image format:
- √ Horizontal resolution:
- √ Vertical resolution:
- √ Orientation sensor:
- √ Orientation precision:

## 1280 x 1024 pixels CMOS

100 bar/1450 psi 100 bar/1450 psi

4-Go 3/16" cable, 2000 m (6500 ft)

Monocable 1/10",1000 m (3281 ft)

Titanium & non-magnetic brass

OPTV52

52 mm/2"

1630 mm/64.2"

7 kg/15.4 lbs 60°C/140°F

24-bit RGB

OPTV38 38 mm/1.5"

1620 mm/64"

6 kg/13 lbs

60°C/140°F

360 to 1440 pixels

defined by logging speed (3.6 m/min for 1 mm resol.)

triple magnetometers /

accelerometers

± 0,5° inclination, ±1° azimuth

## **Accessories / options**

- ✓ Natural gamma detector:
- √ High Pressure kit OPTV52: ✓ Non magnetic centralisers
- √ Sinker weight
- ✓ Image reference calibrator

## ø25 x 50 mm NaI(TI) crystal ø62 mm / 200 bar (± 2000 m)

### **Borehole conditions**

- ✓ Open borehole:
- √ Sonde must be centralised
- ✓ Recommended diam.range:

Either dry or clean water-filled

OPTV38 OPTV52

60 to 300 mm 75 to 600 mm