

## LOW LIGHT LEVEL WIDE FORMAT TV DEVICE FMTP 3

Low light level (LLL) wide format TV device is developed in two modifications: FMTP 3-1 and FMTP 3-2. FMTP 3 is a module device that includes one or two 2<sup>+</sup> generation image intensifiers and CCD array which are coupled through direct optical contact fulfilled by fiber-optics focon.

It can be used in LLL cameras for various applications, for example, in optoelectronic systems of space monitoring.

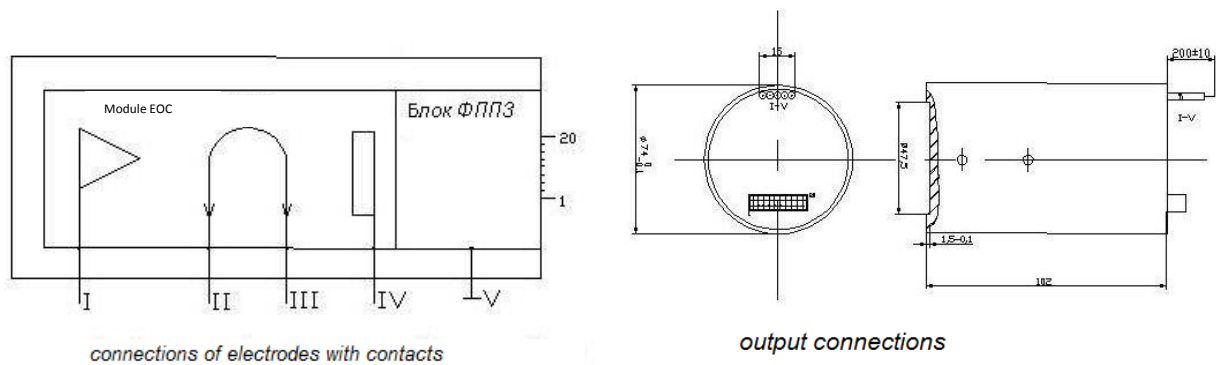


### MAIN PARAMETERS

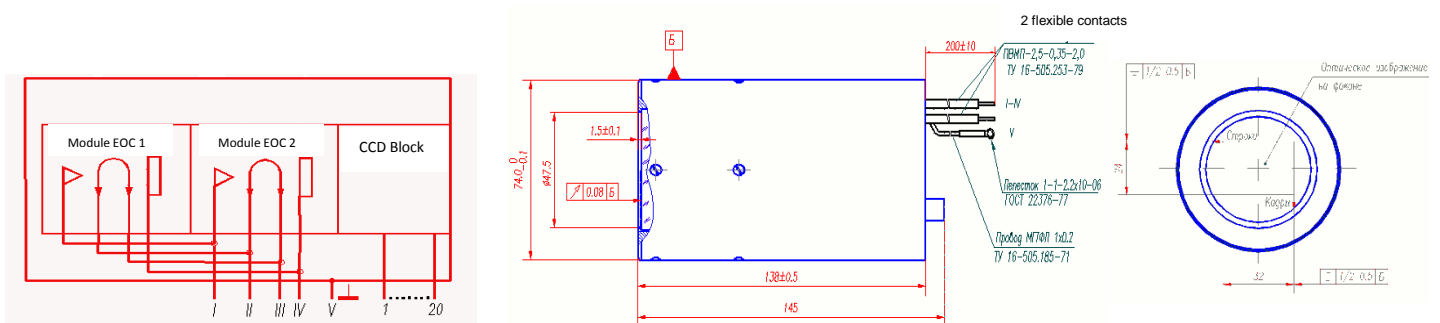
Parameters	FMTP 3-1	FMTP 3-2
Image diameter, mm	40	40
Image format, mm	24 × 32	24×32
Scalable focon, scaling factor (M)	2.44	2.44
Image intensifier, generation	2 <sup>+</sup>	2 <sup>+</sup> +2 <sup>+</sup>
Photocathode luminous sensitivity, μA/lm	500	400/350
Number of pixels	768 × 580	768×580
Spectral response, nm	380 ÷ 900	380 ÷ 900
Operation illumination, lx	5·10 <sup>-5</sup>	5·10 <sup>-5</sup>
Resolution at operation illumination, TVL	450	450
S/N ratio at operation illumination	≥6	≥10
Geometric distortion, %	≤1	≤1
Threshold illumination at 200 TVL resolution, lx	5·10 <sup>-7</sup>	5·10 <sup>-7</sup>
Controlled dynamic range, lx	10 <sup>-3</sup> ÷5·10 <sup>-7</sup>	10 <sup>-3</sup> ÷5·10 <sup>-7</sup>
Operation temperature, °C	-40 ÷ +40	-40 ÷ +40

## DIMENSIONAL OUTLINE

### FMTP 3-1

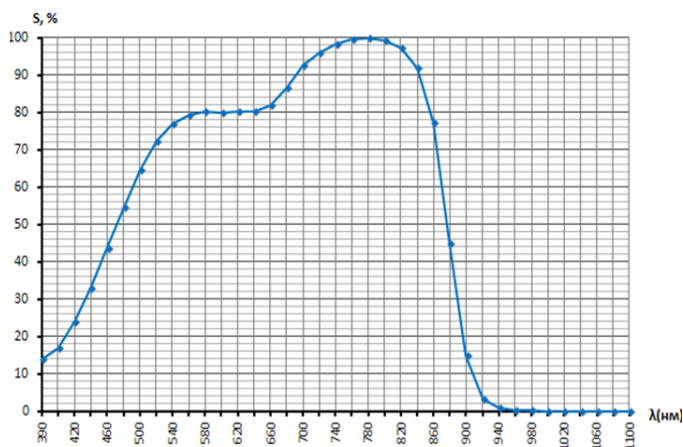


### FMTP 3-2



## SPECTRAL RESPONSE CHARACTERISTICS

### FMTP 3-1



### FMTP 3-2

