



Solar Powered Television
Energy Efficient Entertainment
Finalist in the Global LEAP Award

Like the Fosera TV 240, our TV 110 is Global Leap award finalist in 2015/16. This solar powered TV consumes only 6.5W and is designed with inputs to accommodate modern entertainment, such as a USB port for flash memory sticks to watch your favorite shows and movies. It is the perfect product extension for our LSHS solar home system.

Integrated receiver DVB-T2

The TV may include an integrated DVB-T2 receiver, the most widely spread terrestrial receiver in our planet. It can broadcast both DVB-T and DVB-T2 signals. It is advisable to check before purchase which signal can be received in the project implementation site.

Power	
Supply voltage	12 V +/- 3 V
Power consumption *	6.5 W
Standby consumption	<0.15 W
Output speakers	2 x 3 W
Screen	
Size	15.6 "
Ratio	16:09
Resolution	1366x768
Brightness	80 cd/m ²
Contrast	500:1
Viewing angle	160°(H) / 160°(V)

Fosera POWER LINE TV 110	
Signals	
Inputs	DC in, RF in, HDMI, USB, VGA, AV, Earphone out, Audio in, YPbPr
Input Impedance	75 Ω
Analog	
Receiving range	49 MHz - 863 MHz
Video system	PAL / SECAM / NTSC
Digital	
Receiving range	VHF (174 MHz - 230 MHz) UHF (474 MHz - 862 MHz)
Bandwidth	7 MHz / 8 MHz
Modulation	DVB-T2:COFDM 2K/8K QPSK, 16QAM, 64QAM
Video system	MPEG 2 MP@HL, MPEG-2, MP@HL, H.264
Sound system	MPEG-1 Layer 1/2, MPEG-2 Layer 2, DD, DD+
USB	Video: .avi / .MP4 / .MKV / .MOV / .MPG / .RM / .RMVB / .TS / .FLV Music: .mp3 / .WMA / .M4A / .AAC Picture: .jpg / .JPEG / .PNG / .BMP
Miscellaneous	
Accessories	Remote control, 2x AAA battery, cable for Fosera POWER LINE, User Manual
TV dimension (WxHxD)	38x27.5x11.8 cm
TV weight	1.22 kg
Box dimension (WxHxD)	40.6x31.6x10.5 cm
Box weight	1.82 kg

*Volume at 50%

In order to strengthen the signal reception, an antenna might be advisable.



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RECEIVER

Available for satellite (DVB-S2)
and terrestrial (DVB-T2)



Fosera POWER LINE Receiver

Fosera offers two alternatives to receive program signals: satellite (DVB-S2) and terrestrial (DVB-T2), depending on the receiving possibilities in the residential area.

		DVB-S2	DVB-T2
Item	Sub Item	Parameter	Parameter
Signal Input		Satellite	Antenna
Tuner	Input frequency	950 - 2150 MHz	177.1 ~ 226.5 MHz 473.1 ~ 803.1 MHz
	RF input level	-	25 - 82 dBm
	IF bandwidth	-	6/7/8 MHz
	Input impedance	75 Ω	-
	Modulation	QPSK, 8 PSK, 16 APSK, 32 APSK (DVB-S/S2)	QPSK, 16 QAM, 64 QAM
Video	Decoder format	MPEG 4 AVC/H. 264 HP@L4	MPEG 4 AVC/H. 264 HP@L4
		MPEG 4 AVC/H. 264 HP@L4	MPEG 4 AVC/H. 264 HP@L4
	Audio output	HDMI, AV	HDMI, AV
Power	Supply Voltage	13 V	13 V
	Power	8.8 W	3.1 W
Weight		0.855 kg	0.7 kg
Dimensions		20.5x6x21.5 cm	18.5x17.5x5.5 cm

Before purchase it is required to know how program signals can be received in the residential area, whether by antenna or satellite.



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