



FlexTron

The FlexTron24 is a pixel control unit designed for reliability and ruggedness in a compact form.

The **FlexTron24** pixel control is a 4-output device that is capable of powering 600 watts of 24V pixel product via a waterproof twist-lock cabling system. Input data in the form of sACN, ArtNet and DMX512 protocols is achieved via its onboard ethercon connectors as well as 5-Pin XLR connector. Speedy ethernet ports operate as an input and pass through and support gigabit connections. Linking multiple FlexTron P3 control units are easy via their industry standard in/out ethercon and TRUE1 TOP connectors. Configuration is easy via any modern web browser. The FlexTron's 24 Control unit is narrow and low-profile enough to fit easily inside of truss for quick and inconspicuous mounting. Accessories not included but available include mounting clamps, safety chains, True1 cabling, ethercon cabling and XLR 5-pin cabling.

Inside the **FlexTron24** is a 600 Watt 24VDC power supply coupled with the Advatek A4-S Mk3 controller providing a harmonious marriage of fanless power and ultimate pixel control. Each output is capable of handling 150 watts at 24VDC and each channel has electronic fusing for superior protection. Rated for outdoor use at IP53, it is designed to work in dry and damp environments. Convenient shape and mounting holes are designed to fit inside of 12" truss or anywhere you need local, reliable pixel control.



Input
100 ~ 240VAC
50 ~ 60 Hz / 600W



Output
4 X 24VDC 150W 6.2A



Plug 'N Play



Over-current Protection



Short circuit Protection



AC IN/THRU - TRUE1 TOP



Weight
13.2lb 5.99kg



MicroSD Card Slot
Scene Recording/
Playback



Over-temperature Protection



Overload Protection



Rig Inside Truss or
Bolt or Bolt Where Required



Dimensions
21" X 7.8" X 2.4"
530mm X 200mm X 61mm



DMX Input Trigger or
sACN Output Bridge



Auto-reset Electronic Fuses



ETL Certified



Gigabit Speeds
10 / 100 / 1000 Network



sACN & ArtNet
Input Protocols



Over-voltage Protection



Dry & Damp Locations
IP53 Rated

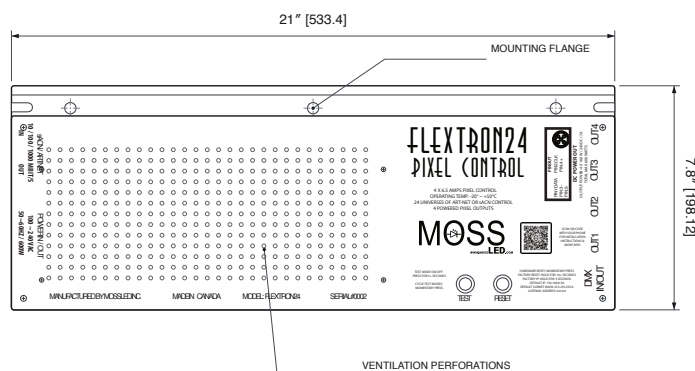


Ambient Temperature Range
-20°C ~ +55°C

TECHNICAL SPECIFICATIONS

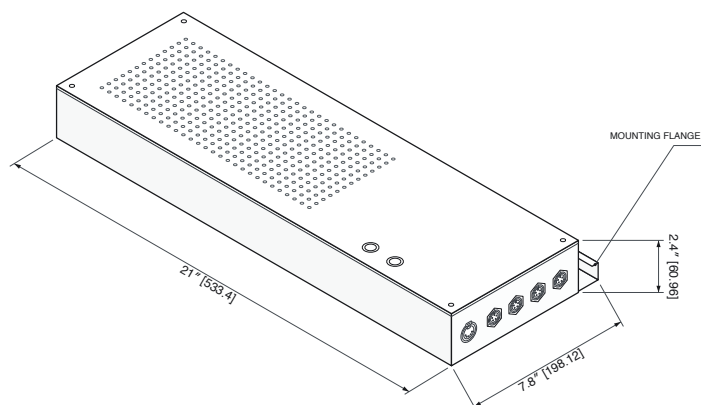
Product Type	Product Type	: LED Pixel Controller W/On-Board Power Supply
	MFR Product Family	: FLEXTRON
Output	Output Voltage(V)	: 24V DC
	Output Current (A)	: 25A (4 Ports X 6.25A)
	Output Power (W)	: 600W (4 Ports X 150W)
	Output Data	: Pixel Protocols & DMX512 (See Advatek A4-S Mk3 Documentation)
	Output Port Quantity	: 4
	Output Port Connector Type	: 5-Pin Chogori 22005653-01 Std Series (Mates to 22005131-01)
	Output Connector Lock	: Yes
Input	AC input	: 100 ~ 240VAC 127 ~ 431VDC (Derated to 80% capacity between 100 ~ 115VAC)
	Frequency Range	: 47 ~ 63 Hz
	AC Input/Output Connector	: Neutrik True1 Input & Pass-Thru
	Input Data	: ArtNet / sACN & DMX512
	Input Data Connector	: Ethercon & 5-Pin XLR
Power Supply Specifications	PSU Efficiency	: 95%
	Line & Load Regulation (%)	: 0.5%
	Low leakage current	: .75mA
	Standby Power Consumption	: < 10 watts
	AC Power	: 7A @ 115VAC 3.3A @ 230VAC 2.9A @ 277VAC
Physical	Size (inches)	: 21 L X 7.8 W X 2.4 H
	Weight	: 13.2 lbs
	Housing	: Fully enclosed aluminum housing
	Operating Temperature	: -20°C to 55°C
	Chassis Color	: Black
	IP Rating	: IP53
Mounting Options	Mounting Options	: Captive bolts for mounting clamps (sold separately)
Safety	Protections:	: short circuit, over voltage, overload, over current, over temp
	Medical safety approved	: 2 x MOPP between primary and secondary
	Agency Approvals	: CE/RoHS/cETLus (field evaluated)
Indicator	Indicator	: RGB Status LED
Control Software	Advatek	: Advatek Assistant 3

MECHANICAL DRAWINGS



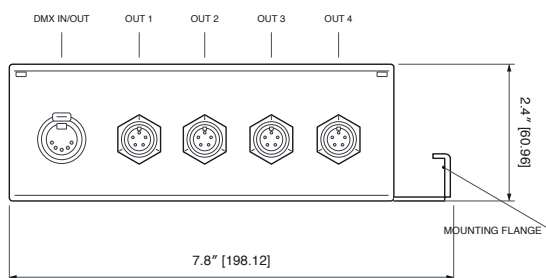
TOP VIEW

Power / network end at left; pixel output end at right.



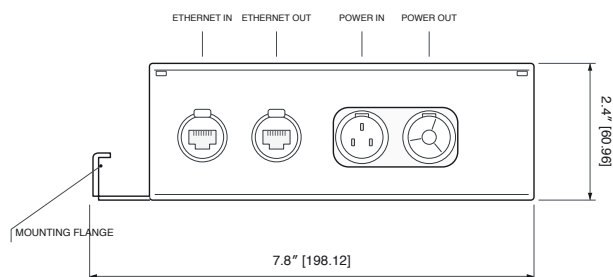
ISOMETRIC

Pixel output end shown



PIXEL OUTPUT END

Front elevation reconstructed from the output-end photograph.



POWER / NETWORK END

Opposite elevation; mounting flange appears on the left.

PIXEL OUTPUT CONNECTOR PINOUT

View Facing Connector



Pinout

- Pin 1 = Data
- Pin 2 = Clock
- Pin 3 = - Negative
- Pin 4 = - Negative
- Pin 5 = + Positive