

# **AXIUM AX-IRFX3**

The Intelligent IR Receiver

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The Smallest Data-Stream
Filtered Infra-Red Receiver.
The IRFX3 is Plasma, LCD, LED &
Sunlight tolerant, utilising
leading edge technology to filter
the received Infrared (IR) data
packets.

A microprocessor filters then retransmits the IR command in real time, with priority given to reconstruct fussy short pulse IR Commands used in some remote controls.

### Superior IR throughput

Superior performance in rejecting noise and interference using a dual lens receiver system which incorporates a High-Q optical filter removing the problematic LCD/Plasma frequencies. In addition an EMI shield has been Integrated to provide even greater compatibility and more mounting options.

#### Flexible mounting

With its slim profile, colour options and exceptional cable control the IRFX3 is suitable for surface mounting on Televisions, Plasma/LED/LCD displays, cabinets, appliances, or speaker grills, it blends completely into the device you attach it to.



## **Technical Specifications**

- Excellent IR receiver range: 8m ± 45° (Depends on ambient light levels and remote control strength)
- Receives / processes very short pulse burst codes systems as used by some set top box receivers
- Wide input voltage range: 8 16VDC 50mA
- Amplifier ON indicator and IR reception "flash back" indicator. (Both can be defeated)
- Default modulation frequency, : 38KHz ± 1%
- Multiple IRFX3 receivers may be connected in parallel
- High Strength Acrylic sticky mounts are used to attach the IRFX3
- The receiver has excellent off axis reception, giving >50% range when 45° off axis
- Flat 4 core 28AWG 2m black lead
- Ingenious Rear / Bottom cable exit

- Enhanced EMI immunity with Data Stream Filtering
  - Rejects IR disturbances that can slow down or cause intermittent problems on IR systems
- Fitted with RJ45 for easy connection via wall plates or direct to EX4-N
- Supplied with 3 shell colours
  - o Black
  - o White
  - o Silver
- Dimensions:
- o Width 9.0mm
- o Length 22.0mm
- o Height 6.5mm
- Approvals: C-Tick CISPR22, FCC

Specifications and features subject to change without notice. Please check www.axium.co.nz for latest updates

#### Pinout

144	Francisco
Wire	Function
Black	0V
Black	IR Output
Black	+12V DC
Grey	Amp On



Axium

Unit 14, 49 Sainsbury Rd, Morningside, Auckland P: 09 3022271