



## LBX-3316DS-VTM

**Andrew® Antenna, 806–960 MHz, 33° horizontal beamwidth, RET compatible variable electrical tilt**

- Narrow horizontal beamwidth ideal for corridor coverage or six sector solutions
- Azimuth sidelobe suppression greater than 18 dB

### **OBSOLETE**

This product was discontinued on: January 1, 2014

#### Replaced By

LDX-3316DS-VTM  
LDX-3316DS-A1M

Andrew® Antenna, 790–960 MHz, 33° horizontal beamwidth, RET compatible

## Electrical Specifications

Frequency Band, MHz	806–896	870–960
Gain, dBi	17.8	18.0
Beamwidth, Horizontal, degrees	33	33
Beamwidth, Vertical, degrees	15.0	14.0
Beam Tilt, degrees	2–12	2–12
USLS, typical, dB	15	15
Front-to-Back Ratio at 180°, dB	36	37
Isolation, dB	30	30
VSWR   Return Loss, dB	1.4   15.6	1.4   15.6
PIM, 3rd Order, 2 x 20 W, dBc	-150	-150
Input Power per Port, maximum, watts	300	300
Polarization	±45°	±45°
Impedance	50 ohm	50 ohm

## General Specifications

Antenna Brand	Andrew®
Antenna Type	DualPol®
Band	Single band
Brand	DualPol®   Teletilt®
Operating Frequency Band	806 – 960 MHz
Performance Note	Outdoor usage

## Mechanical Specifications

Color	Light gray
Lightning Protection	dc Ground
Radiator Material	Aluminum
Radome Material	Fiberglass, UV resistant
RF Connector Interface	7-16 DIN Female
RF Connector Location	Bottom

LBX-3316DS-VTM

RF Connector Quantity, total	2
Wind Area, maximum	0.4 m <sup>2</sup>   3.9 ft <sup>2</sup>
Wind Loading, maximum	932.7 N @ 150 km/h 209.7 lbf @ 150 km/h
Wind Speed, maximum	242 km/h   150 mph

## Dimensions

Depth	179.0 mm   7.0 in
Length	1306.0 mm   51.4 in
Width	591.0 mm   23.3 in
Net Weight	17.9 kg   39.5 lb

## Remote Electrical Tilt (RET) Information

Model with Factory Installed AISG 2.0 Actuator	LBX-3316DS-A1M
RET System	Teletilt®

## Packed Dimensions

Depth	332.0 mm   13.1 in
Length	1528.0 mm   60.2 in
Width	780.0 mm   30.7 in
Shipping Weight	28.0 kg   61.7 lb

## Regulatory Compliance/Certifications

Agency	Classification
RoHS 2011/65/EU	Compliant by Exemption
China RoHS SJ/T 11364-2006	Above Maximum Concentration Value (MCV)
ISO 9001:2008	Designed, manufactured and/or distributed under this quality management system



## Included Products

**DB380** — Pipe Mounting Kit for 2.4"-4.5" (60-115mm) OD round members on wide panel antennas. Includes 2 clamp sets and double nuts.

**DB5083** — Downtilt Mounting Kit for 2.4"-4.5" (60 - 115 mm) OD round members. Includes a heavy-duty, galvanized steel downtilt mounting bracket assembly and associated hardware. This kit is compatible with the DB380 pipe mount kit for panel antennas that are equipped with two mounting brackets.

## \* Footnotes

Performance Note	Severe environmental conditions may degrade optimum performance
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## DB380

**Pipe Mounting Kit for 2.4"-4.5" (60-115mm) OD round members on wide panel antennas. Includes 2 clamp sets and double nuts.**

This product will be discontinued on: May 31, 2016

### **OBSOLETE**

This product was discontinued on: May 31, 2016

#### Replaced By

BSAMNT-1

Wide Profile Antenna Downtilt Mounting Kit for 2.4 - 4.5 in (60 - 115 mm) OD round members. Kit contains one scissor top bracket set and one bottom bracket set.

## General Specifications

Antenna Brand	Andrew®
Mount Type	Pipe mounts
Application	Outdoor
Includes	Brackets   Hardware
Package Quantity	1

## Mechanical Specifications

Color	Silver
Material Type	Galvanized steel

## Dimensions

Compatible Diameter, maximum	114.3 mm   4.5 in
Compatible Diameter, minimum	61.0 mm   2.4 in
Net Weight	2.8 kg   6.2 lb

## Regulatory Compliance/Certifications

Agency	Classification
RoHS 2011/65/EU	Compliant
China RoHS SJ/T 11364-2006	Below Maximum Concentration Value (MCV)
ISO 9001:2008	Designed, manufactured and/or distributed under this quality management system





**DB5083**  
**Downtilt Mounting Kit for 2.4"-4.5" (60 - 115 mm) OD round members. Includes a heavy-duty, galvanized steel downtilt mounting bracket assembly and associated hardware. This kit is compatible with the DB380 pipe mount kit for panel antennas that are equipped with two mounting brackets.**

This product will be discontinued on: May 31, 2016

**OBSOLETE**  
This product was discontinued on: May 31, 2016

Replaced By

BSAMNT-1      Wide Profile Antenna Downtilt Mounting Kit for 2.4 - 4.5 in (60 - 115 mm) OD round members.  
Kit contains one scissor top bracket set and one bottom bracket set.

## General Specifications

Antenna Brand	Andrew®
Mount Type	Downtilt mounts
Application	Outdoor
Includes	Brackets   Hardware
Package Quantity	1

## Mechanical Specifications

Color	Silver
Material Type	Galvanized steel

## Dimensions

Compatible Diameter, maximum	114.3 mm   4.5 in
Compatible Diameter, minimum	61.0 mm   2.4 in
Net Weight	2.2 kg   4.9 lb

## Regulatory Compliance/Certifications

Agency	Classification
RoHS 2011/65/EU	Compliant by Exemption
China RoHS SJ/T 11364-2006	Below Maximum Concentration Value (MCV)
ISO 9001:2008	Designed, manufactured and/or distributed under this quality management system

