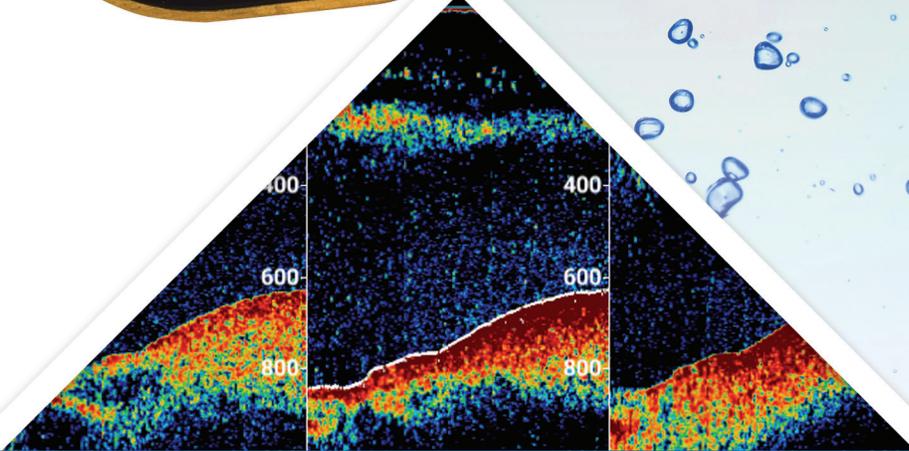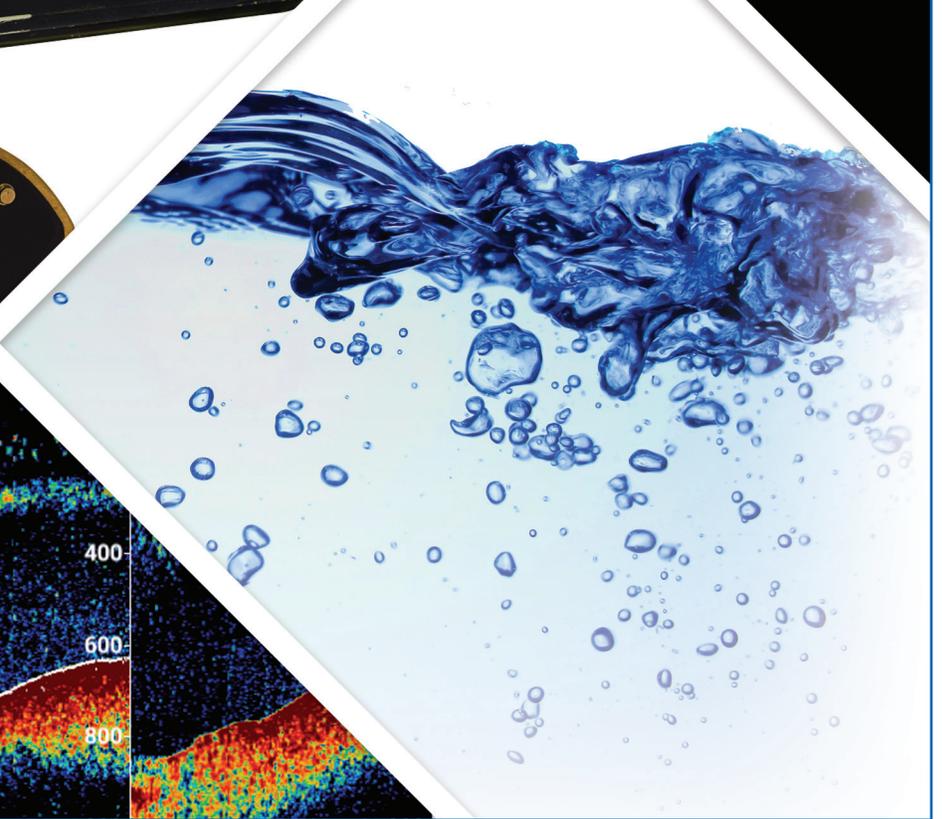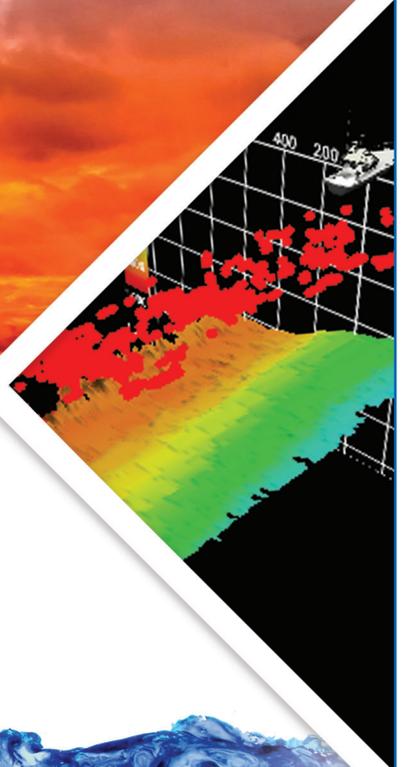DFF3D
Multi-Beam Sonar
Supported Transducers

NETWORK MULTI BEAM SONAR
DFF3D

Single Frequency (DFF3D only) Transducers

These transducers have specific DFF3D elements. They are only for use with the DFF3D Multi-Beam Sonar. Four transducers fall into this category: A bronze thru-hull, a stainless thru-hull, a pocket or keel mount, and a transom mount.

165T-B54 Bronze Thru-Hull Multi-beam Transducer

The 165T-B54 is a multi-beam transducer for the DFF3D that affords a 120-degree port-starboard view of the underwater world. A built-in motion sensor stabilizes the display to give clear and stable images.
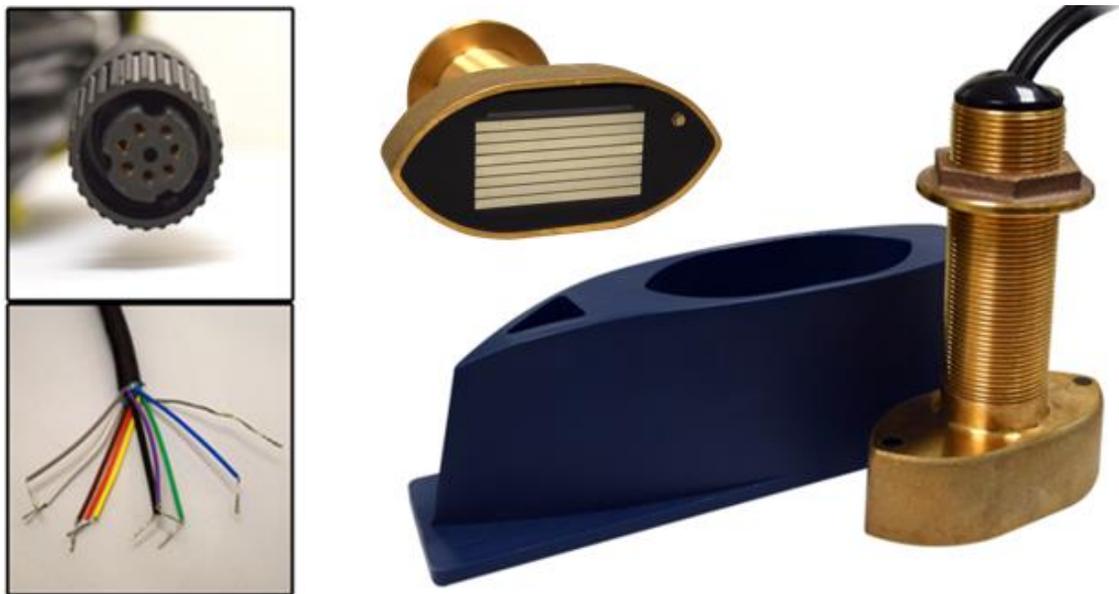
Standard Features

- Bronze Thru-Hull with high speed fairing block. Can be flush mounted in keel without using fairing block.
- DFF3D Elements 165khz
- 10M Cables with 7pin connector and pigtail cable
- Compact design
- Built-in motion sensor
- Built in temp sensor

165T-SS54 Stainless Thru-Hull Multi-beam Transducer

Standard Features

- Stainless Thru-Hull with high speed fairing block. Can be flush mounted in keel without using fairing block.
- DFF3D Elements 165khz
- 10M Cables with 7pin connector and pigtail cable
- Compact design
- Built-in motion sensor
- Built in temp sensor
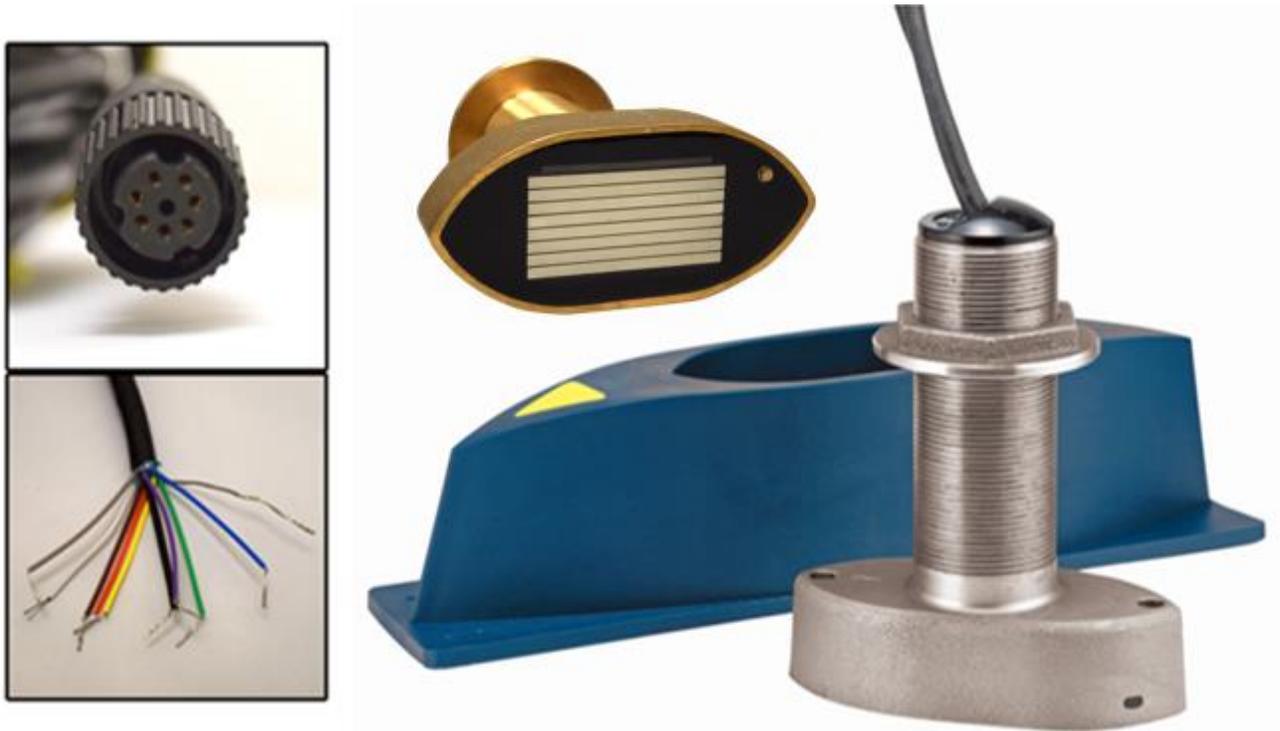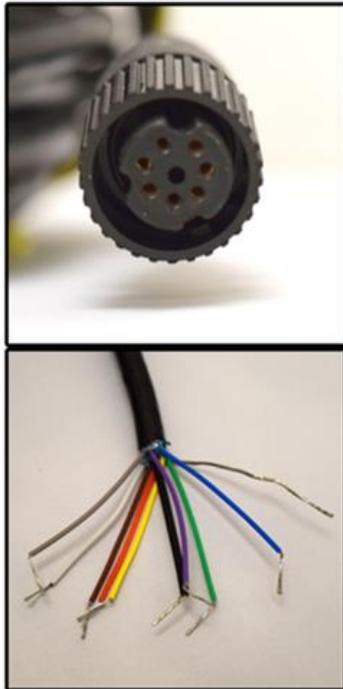
165T-TM54 Transom Mount Multi-Beam Transducer

The 165T-TM54 is a multi-beam transducer for the DFF3D that affords a 120-degree port-starboard view of the underwater world. A built-in motion sensor stabilizes the display to give clear and stable images.
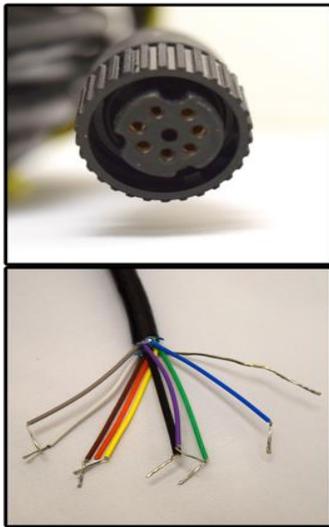

Standard Features

- DFF3D Elements 165khz
- Transom mount with stainless steel kick-up bracket
- 10M Cables with 7pin connector and pigtail cable
- Built-in motion sensor
- Built in temp sensor

165T-CM54 Pocket or Keel Mount Multi-Beam Transducer

The 165T-CM54 is a multi-beam transducer for the DFF3D that affords a 120° port-starboard view of the underwater world. A built-in motion sensor stabilizes the display to give clear and stable images. It can be keel or pocket mounted.

Standard Features

- DFF3D Elements 165khz
- Designed for keel or pocket mounts
- 10M Cables with 7pin connector and pigtail cable
- Built-in motion sensor
- Built in temp sensor

Combination Transducers

These transducers have the DFF3D elements along with either the B265 L/H CHIRP, B275 L/H CHIRP wide elements, B164 50/200 kHz elements, or 30-60 kHz L, 80-130 kHz M and temp. They can be connected to the DFF3D Multi-Beam Sonar along with one Fish Finder. These transducers save money and space compared to purchasing and installing two separate transducers.

165T-50/200-SS260 DFF3D 50/200 Stainless Combination Thru-Hull

SS260 housing
DFF3D array
1 kW B164 50/200 kHz array

Standard Features

- Stainless Thru Hull with high speed fairing block. Can be flush mounted in keel without using fairing block.
- DFF3D Elements (165khz)
- Built-in motion sensor
- 1kW, 50/200 kHz, 20/6 ° beam angles for Fish Finder elements. Same elements as an AIRMAR B164 transducer.
- 12M Cables with 10-Pin Connector for Fish Finder, 7 pin connector and a pigtail cable for the DFF3D.
- Recommended for a TZtouch3, TZtouch2, or a TZtouch/DFF1/BBDS1 and DFF3D installation. If using with a TZtouch3, use TZtouch3 supplied adapter cable to convert from 12p to 10pin.
- Built in temp sensor

165T/265LH-PM488 DFF3D/CHIRP Combination Pocket Mount

This is a new size housing (12 LX 5 W X 3.5 H) that contains the DFF3D elements along with the same CHIRP elements contained in B265LH

CM488 housing
DFF3D array
1 kW B265LH
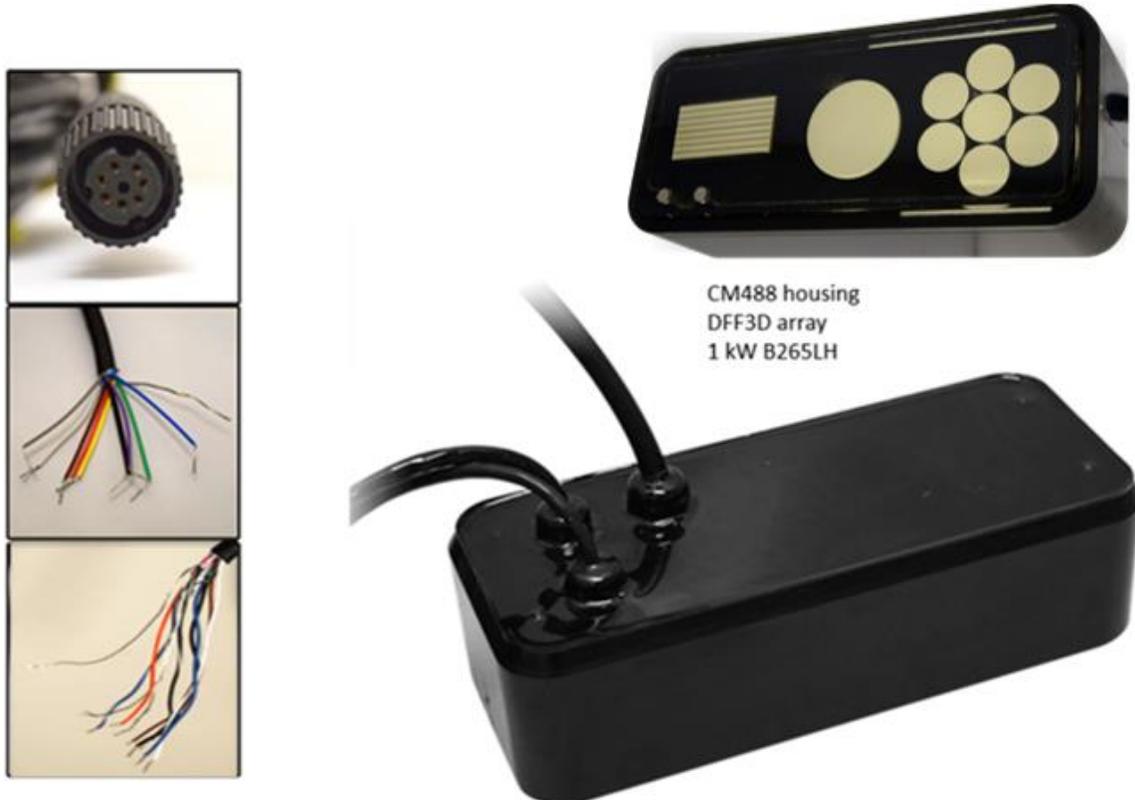
Standard Features

- DFF3D Elements (165khz)
- Low—CHIRPS from 42 kHz to 65 kHz, Beamwidth 25° to 16°
- High—CHIRPS from 130 kHz to 210 kHz, Beamwidth 10° to 6°
- Bottom discrimination and Accu-fish compatible (without TID)
- 12M Cables, Pigtail cable for DFF1-UHD, 7 pin connector and a pigtail cable for the DFF3D
- Recommended for a DFF1-UHD and DFF3D installation
- Built-in motion sensor
- Built in temp sensor

165T/265LH-PM488-12P DFF3D/CHIRP Combination Pocket Mount

This is the same transducer as the 165T/265LH-PM488 but it has a 12pin connector instead of a pigtail for connection to the internal Fish Finder of a TZT12F, TZT16F, or TZT19F. It contains the DFF3D elements along with the same CHIRP elements contained in B265LH

CM488 housing
DFF3D array
1 kW B265LH

Standard Features

- DFF3D Elements (165khz)
- Low—CHIRPS from 42 kHz to 65 kHz, Beamwidth 25° to 16°
- High—CHIRPS from 130 kHz to 210 kHz, Beamwidth 10° to 6°
- Bottom Discrimination and Accu-fish compatible (without TID)
- 12M Cables, 12Pin cable for TZT12F, TZT16F, and TZT19F, 7 pin connector and a pigtail cable for the DFF3D
- Recommended for a TZtouch3 MFDs (not TZT9F) and DFF3D installation.
- Built-in motion sensor
- Built in temp sensor

165T/275LH-PM488 DFF3D/CHIRP Combination Pocket Mount

This is a new size housing (12 LX 5 W X 3.5 H) that contains the DFF3D elements along with the same CHIRP elements contained in B275LHW

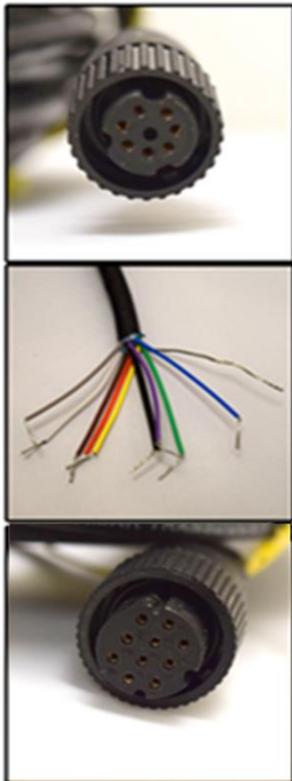**CM488 Housing
DFF3D Array
1kw B275LHW**

Standard Features

- DFF3D Elements (165khz)
- Low—CHIRPS from 42 kHz to 65 kHz, Beamwidth 25° to 16°
- High—CHIRPS from 150 kHz to 250 kHz, Beamwidth 25°
- 12M Cables, Pigtail cable for DFF1-UHD, 7pin connector and a pigtail cable for the DFF3D
- Recommended for a DFF1-UHD and DFF3D installation
- Built-in motion sensor
- Built in temp sensor

165T/275LH-PM488-12P DFF3D/CHIRP Combination Pocket Mount

This is the same transducer as the 165T/275LH-PM488 but it has a 12pin connector instead of a pigtail for connection to the internal Fish Finder of a TZT12F, TZT16F, or TZT19F. It contains the DFF3D elements along with the same CHIRP elements contained in B275LH.


**CM488 Housing
DFF3D Array
1kw B275LHW**

Standard Features

- DFF3D Elements (165khz)
- Low—CHIRPS from 42 kHz to 65 kHz, Beamwidth 25° to 16°
- High—CHIRPS from 150 kHz to 250 kHz, Beamwidth 25°
- 12M Cables. 12pin cable for TZT12F, TZT16F, and TZT19F, 7pin connector and a pigtail cable for the DFF3D.
- Recommended for a TZtouch3 MFDs (Not TZT9F) and DFF3D installation.
- Built-in motion sensor
- Built in temp sensor

165T/PM542LM DFF3D/CHIRP Combination Pocket Mount

Low/Medium TruEcho CHIRP (30-60khz and 80-130khz), use with DI-FFAMP, FCV1900B, FCV295, FCV1150, or DFF3, and DFF3D Multi-Beam Sonar.
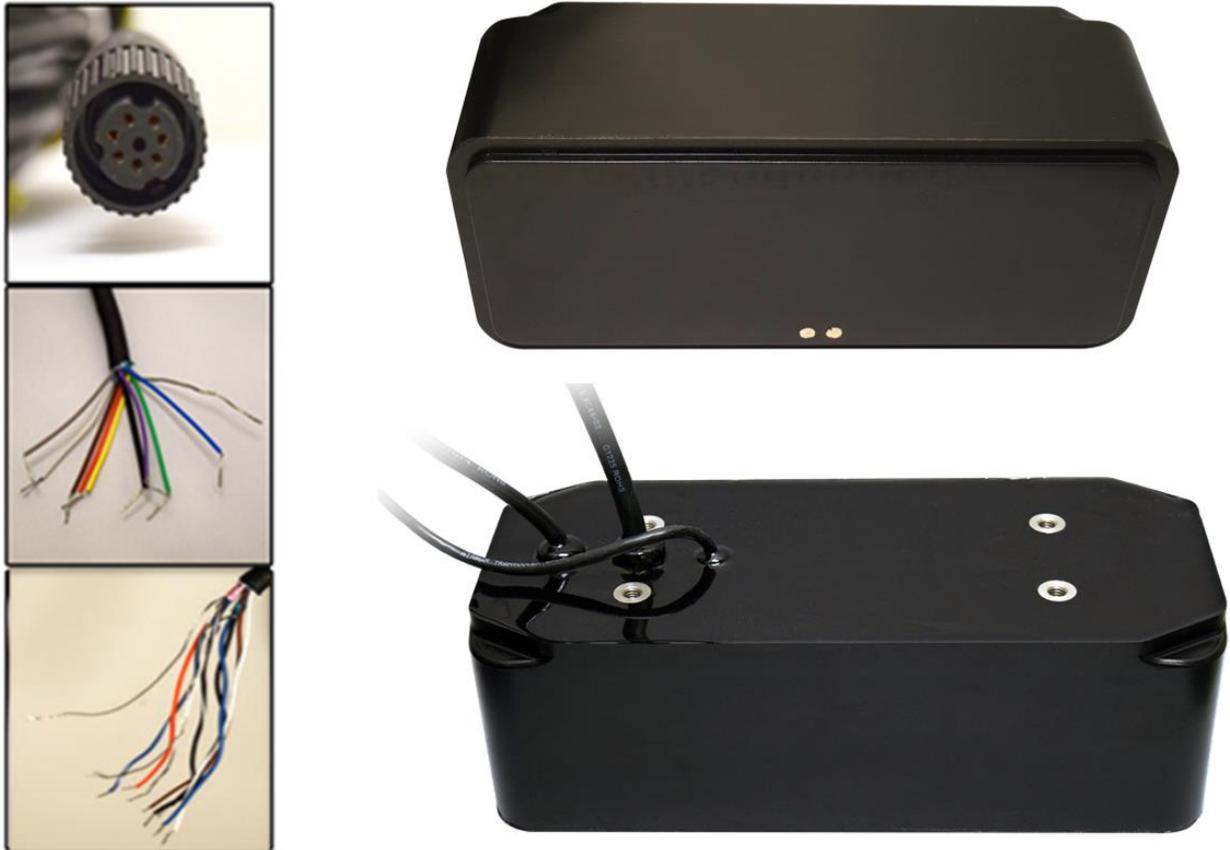
Standard Features

- DFF3D Elements (165khz)
- 2kw Low—CHIRPS from 30 kHz to 60 kHz, Beamwidth10° port/18° starboard beamwidth at the center of the band.
- 2kw Medium—CHIRPS from 80 kHz to 130 kHz, Beamwidth 13° to 8°
- 12M Cables, Pigtail cable for DI-FFAMP, 7pin connector and a pigtail cable for the DFF3D.
- Recommended for a DI-FFAMP, FCV1900B and DFF3D installation.
- Built-in motion sensor
- Built in temp sensor
- Previously called 165T/PM111LM

165T-50/200-TM260 DFF3D 50/200 Combination Transom Mount
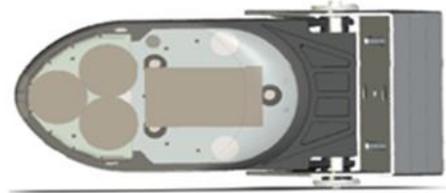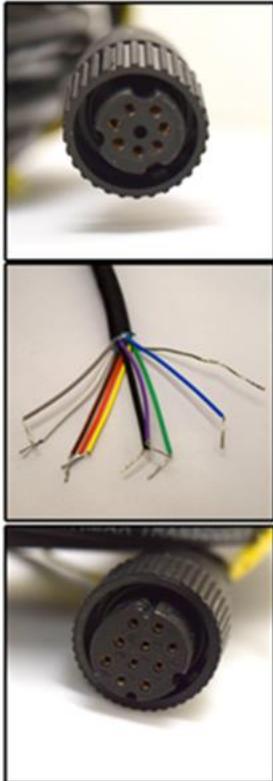
TM260 housing
DFF3D array
1 kW B164 50/200 kHz array

Standard Features

- DFF3D Elements (165khz)
- 1kW, 50/200 kHz, 20/6 ° beam angles for Fish Finder elements. Same as an AIRMAR B164 transducer.
- 12M Cables, with 10pin connector for Fish Finder, 7 pin connector for the motion sensors, and pigtail cable for the DFF3D elements.
- Recommended for a TZtouch2 or a TZtouch/DFF1, and DFF3D installation.
- Built-in motion sensor
- Built in temp sensor

DFF3D Transducer Extension Cable Kits

There are three available kits depending on the installation. One kit to extend a DFF3D installation that uses just the DFF3D transducer. The other two kits are for combo transducers. One kit for a DFF3D transducer along with a 50/200 CW transducer. The third kit is to extend the DFF3D transducer along with a CHIRP transducer.
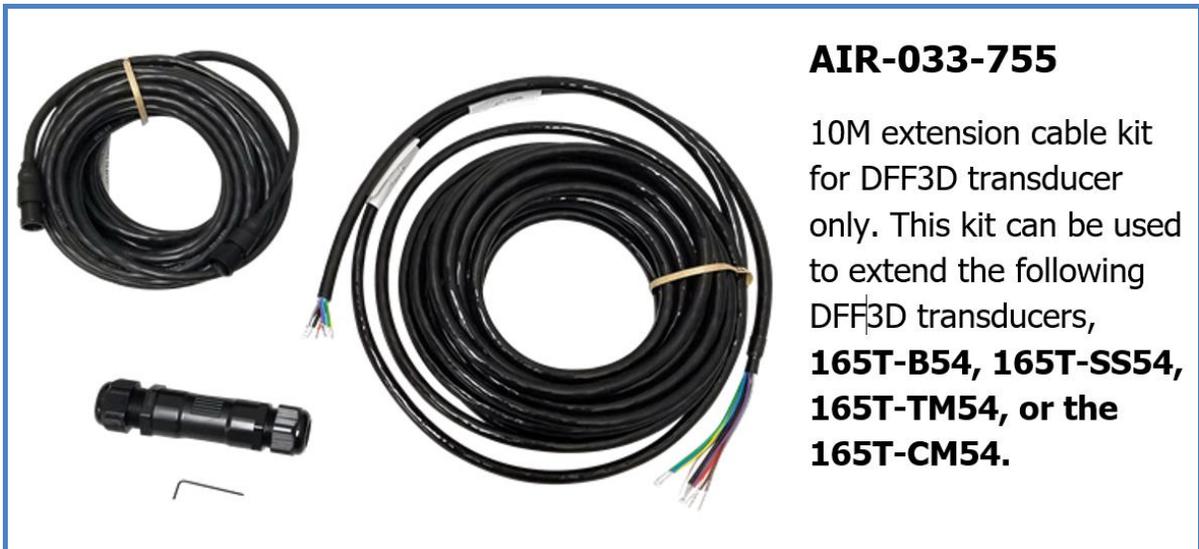
AIR-033-755

10M extension cable kit for DFF3D transducer only. This kit can be used to extend the following DFF3D transducers, **165T-B54, 165T-SS54, 165T-TM54, or the 165T-CM54.**

AIR-033-756

10M extension cable kit for DFF3D Combo that includes a 50/200 CW Transducer, such as the **165T-50/200-SS260**, or **165T-50/200-TM260**

AIR-033-757

10mextension cable kit for a DFF3D combo transducer that includes a CHIRP transducer such as the **165T/265LH-PM488, or the 165T/275LH-PM488.**

Note: To extend either the 165T/265LH-PM488-12P or the 165T/275LH-PM488-12P DFF3D Combo Transducers use part # AIR-033-755 and 12pin transducer extension cable (part # available May of 2021). These combo transducers include a 12pin connector for use with the TZT12F, TZT16F, or TZT19F.

Rev 3/24/2021