



Installation ID:

Underwater Broadcasting

End Customer: Eilat-Red Sea International Underwater Photo Competition

Location: The Red Sea, the Middle East

Equipment: HDBaseT extenders in water- and pressure-proof chambers.

Details: Live broadcast with a smartphone through YouTube of large group dive to set up a new Guinness World Record: "Most Viewers of a Live Shipwreck Dive."

Live images were broadcast from the sea bed to a boat on the surface, and from there onwards. Challenges involved transmitting from a depth of 20 meters, which involved a cable three times as long; connection of proper cabling to smartphone and transmission equipment; cameras and equipment battery life; high-definition broadcasting; harsh underwater environment. HDBaseT enabled the transmission over 60m of Cat6 cable, from a smartphone to a boat on the surface.

Why HDBaseT:

Ability to transmit over 60m. Resiliency and flexibility of category cable was able to handle the choppy waters and rough environment. Easy field-termination of cat cable facilitated the water- and pressure-proofing of the equipment. Cat cable can also be connected to smartphones. Powering of equipment, eliminating battery life issues during live transmission.



Education



Broadcasting



Government



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House of Worship



Cultural & Event Centers



Home



Luxury Transportation



Healthcare



Corporate Enterprise