2023

**One Stop
Cable Solution**

萬 旭 電 業 股 份 有 限 公 司
Wanshih Electronic Co., Ltd.

Company Profile

Company Information

WANSHIH ELECTRONIC CO., LTD.

- Established : 1987
- Total Capital: USD 25 Million
- Employees : 1600 people
- President: Lake Chang
- Revenue of 2022: USD48.1 Million
- Headquarters : New Taipei City, Taiwan

萬泰科技股份有限公司
WONDERFUL HI-TECH

Asahi Tsushin Co., Ltd.
Asahi Communications Co.,Lte.

- Wanshih is a technology integrate company by Taiwan Wonderful Tech and Japan Asahi.

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Wanshih Electronic Co., Ltd.

Wanshih Vietnam
- Staff Numbers : 100 / Factory G6 Area 1,107 m²
- Product : External Cable / Internal Cable / Antenna
- Capacity Monthly： 1.2KKpcs

Wanshih USA
- Staff Numbers: 11 / Area 630 m²
- Application: Internal Cable / Equipment cables

Wanshih Taipei (Headquarter)
- Staff Numbers : 150 / Area 2,500 m²
- Product : External Cable, Internal Cable, Medical, automobile cable, and Antenna
- Capacity Monthly： 300Kpcs

Wanshih Suzhou / Wanshih Suzhou Optical Communication
- Staff Numbers : 1100 / Area 64,000 m²
- Product : External Cable, Internal Cable, Medical, automobile cable, Antenna and SMT
- Capacity Monthly： 2.2KKpcs / 380M chip

Wanshih Dongguan
- Staff Numbers : 100 / Area 8,600 m²
- Product : External Cable, Internal Cable, Medical, automobile cable, and Antenna
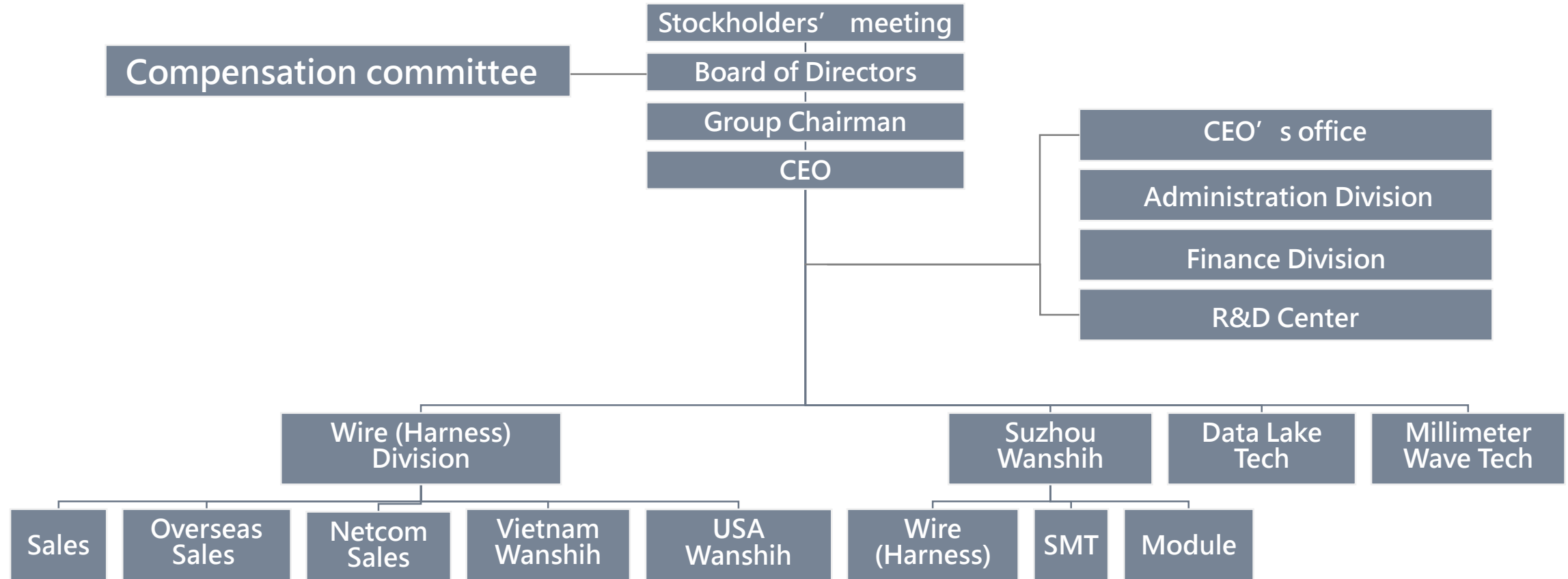- Capacity Monthly： 1KKpcs

Wanshih Siyang (Production only)
- Staff Numbers : 100 / Area 3,300 m²
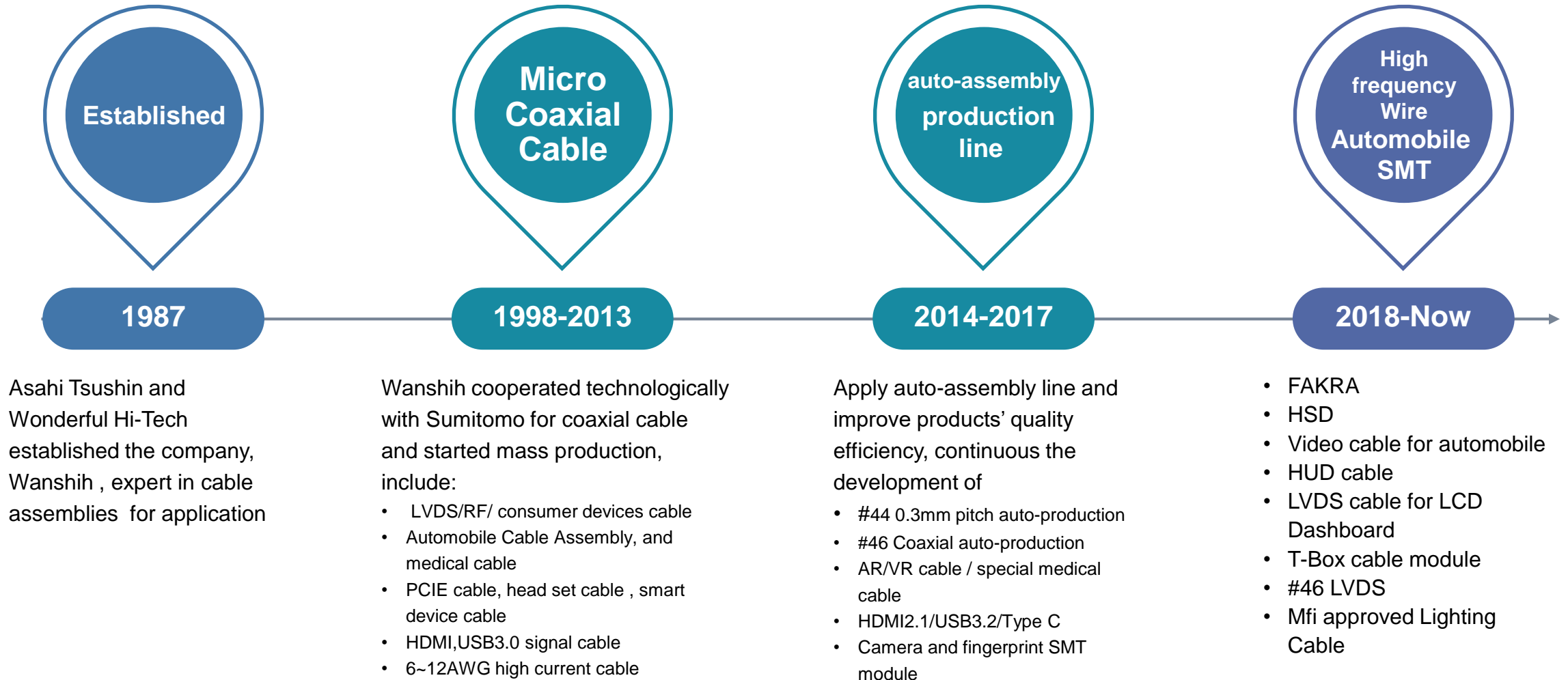- Product : External Cable, and Internal CableCapacity Monthly： 500Kpcs

Organization Chart

萬 旭 電 業 股 份 有 限 公 司
Wanshih Electronic Co., Ltd.

Stockholders' meeting

Compensation committee

Board of Directors

Group Chairman

CEO

CEO's office

Administration Division

Finance Division

R&D Center

Wire (Harness) Division

Suzhou Wanshih

Data Lake Tech

Millimeter Wave Tech

Sales

Overseas Sales

Netcom Sales

Vietnam Wanshih

USA Wanshih

Wire (Harness)

SMT

Module

History

Established

Micro Coaxial Cable

auto-assembly production line

High frequency Wire Automobile SMT

1987

1998-2013

2014-2017

2018-Now

Asahi Tsushin and Wonderful Hi-Tech established the company, Wanshih , expert in cable assemblies for application

Wanshih cooperated technologically with Sumitomo for coaxial cable and started mass production, include:
- LVDS/RF/ consumer devices cable
- Automobile Cable Assembly, and medical cable
- PCIE cable, head set cable , smart device cable
- HDMI,USB3.0 signal cable
- 6~12AWG high current cable

Apply auto-assembly line and improve products' quality efficiency, continuous the development of
- #44 0.3mm pitch auto-production
- #46 Coaxial auto-production
- AR/VR cable / special medical cable
- HDMI2.1/USB3.2/Type C
- Camera and fingerprint SMT module

- FAKRA
- HSD
- Video cable for automobile
- HUD cable
- LVDS cable for LCD Dashboard
- T-Box cable module
- #46 LVDS
- Mfi approved Lighting Cable

Product Type

Core   Insulator   Shielding   Jacket

Micro Coaxial

Extremely flexible and thin just like hair

Core   Jacket
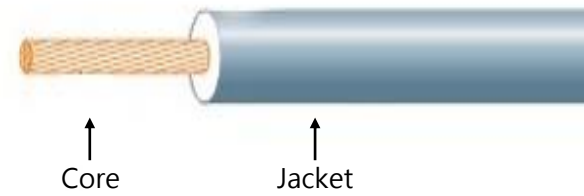
Hook-up Wire (Wire Harness)

Low cost and good in all producing

Internal Cable

Professional internal wire processing according to the needs of various application industries.
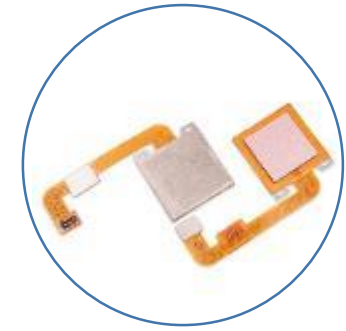Application examples: TV, smartphone, robot

External Cable

One-stop customized cable service, which can provide best solutions for cable and connector demand, such as: waterproof or high current composite conditions

Antenna Design

Professional antenna design and manufacturing with relevant testing equipment. To provide customers a best solution.
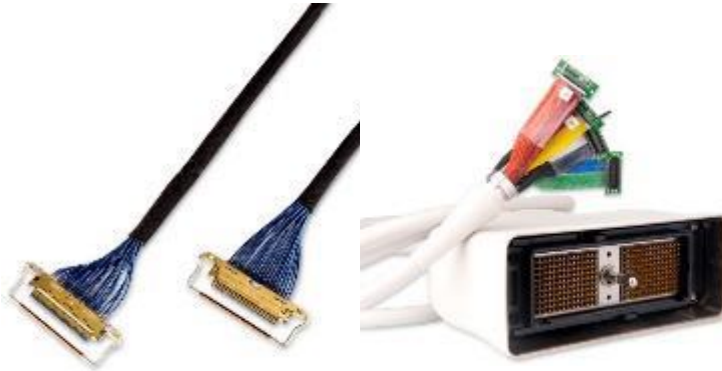
SMT Service

- High-level professional SMT casting service for custom wire processing and PCB plate welding processing

Customized products

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Internal Cable

- Micro Coaxial
- Medical Cable
- Auto-mobile Cable
- Other

External Cabl

- USB 4
- HDMI 2.1
- Audio
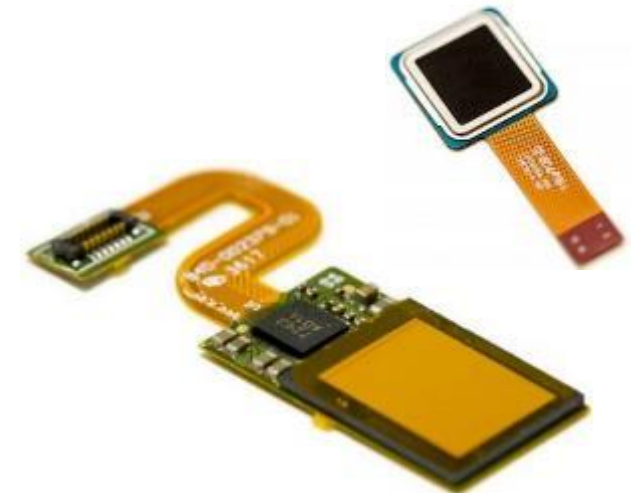- Lightning MFi
- Waterproof cable

Antenna Design

- Internal Antenna
  PCB/FPC/PIFA/GPS
- External Antenna
  Indoor/outdoor
- Patch Antenna
- IOT

SMT Service

- Fingerprint Module
- Camera Module
- LCD liquid crystal Module
- LED backlight Module
- Control Panel
- VR smart glasses Module
- Drone Module

Internal Cable

Internal Cable

- Micro Coaxial
- Medical Cable
- Auto-mobile Cable
- Other

LVDS #46   Coaxial and harness   LVDS with FPC   Harness wire

Cable for medical   Cable for robot   Cable for IP Camera

External Cable

External Cable

- USB 4
- HDMI 2.1
- Audio
- Lightning MFi
- Waterproof cable
- Industrial Cable

USB / Type C   HDMI   Lightning   Waterproof Type

Medical cable   Vehicle cable   Industrial cable
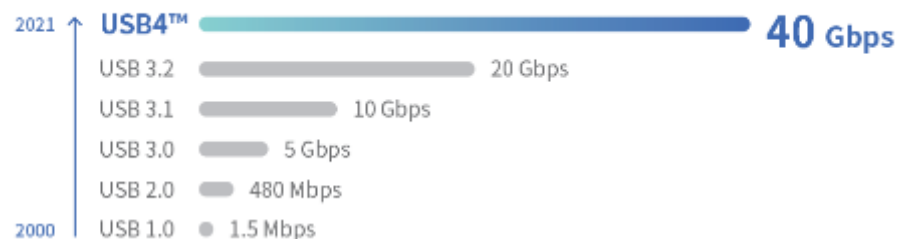
Feature Product - USB4

High-Speed Cables - USB4™ Gen 3x2 Type C Cable 0.8M

USB Data Rate — **8X** FASTER THAN **USB 3.0**

2021	USB4™	**40** Gbps
	USB 3.2	20 Gbps
	USB 3.1	10 Gbps
	USB 3.0	5 Gbps
	USB 2.0	480 Mbps
2000	USB 1.0	1.5 Mbps

USB Power Delivery — Supports **USB PD3.0** to **20V/5A**

2.5W	4.5W	7.5W	15W	36W	65W	100W
USB 2.0	USB 3.0	USB4™	Extend ease of use, reduce clutter, reduce even more waste			
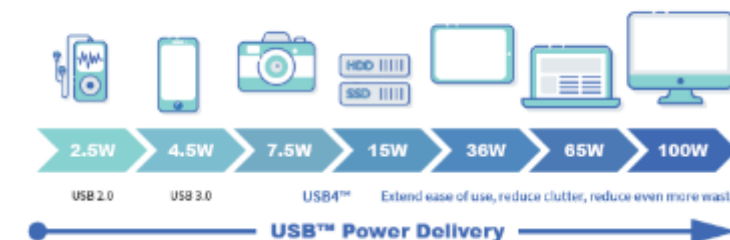
USB™ Power Delivery

Key Feature

- **USB-IF TID:5710**
- Up to **40Gbps** data bandwidth operation
- **100W power delivery -** PD 3.0 E-marker
- **Backward compatibility** - USB 3.2, USB3.0 and Thunderbolt 3.
- Support **DisplayPort™ and PCI express**.
- Support single **8K resolution** or dual 4K displays at 60Hz.

CERTIFIED **USB40**™ *Gbps*

40GB/s Data Bandwidth	Thunderbolt 3 Compatible	Dynamic Bandwidth Sharing	100W Power Delivery

Feature Product - HDMI 2.1

Ultra High Speed HDMI™ 2.1 TYPE-A to A Cable 2.8 M

Easy Installation

Small & ergonomic plug design
Conveniently plug in and unplug
(L: 51.5mm, W:19mm)

51.5mm
19mm

High Quality Wire

Printing ULTRA HIGH SPEED HDMI® CABLE WITH ETHERNET
PVC Jacket
85% Tinned Copper Braid
Aluminum foil Mylar + PET
Oxygen-Free Copper

Each set of wire of high quality material

HDMI™
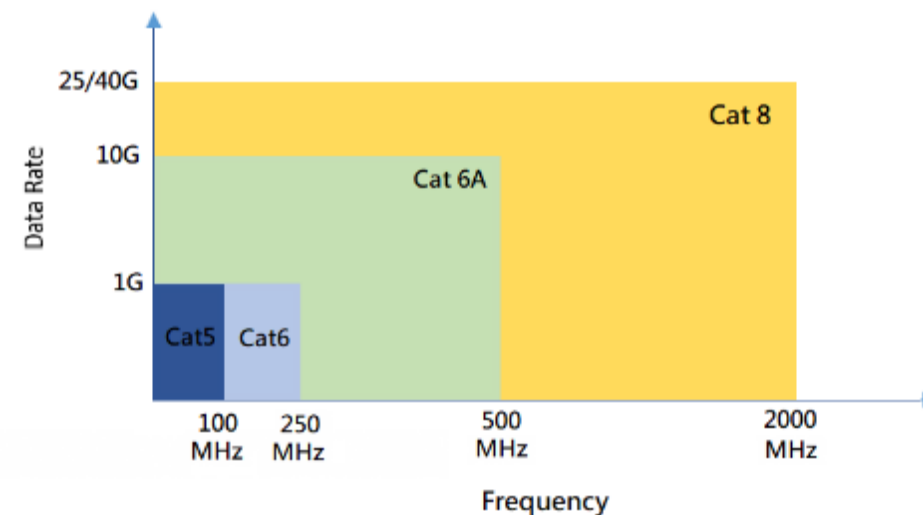HIGH-DEFINITION MULTIMEDIA INTERFACE
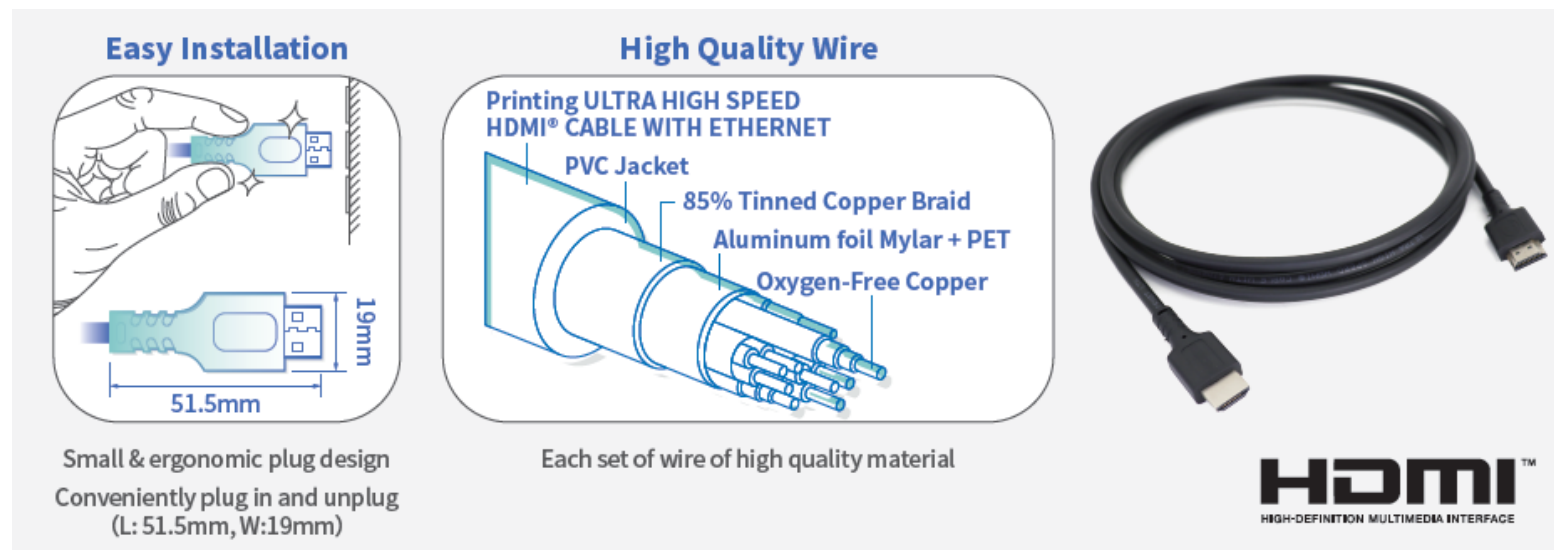
Key Feature

○ Ultra High Speed **HDMI™ 2.1** Certificated QR-Code Label

○ Up to **48Gbps** data bandwidth operation

○ Support high resolution Maximum **10K / 8K@60Hz / 4K@120Hz**

○ Short plug design & Anti-swing Strain Relief design.

CAT 8 Shielded and Foiled Twisted Pair 30m CMP

CAT 8 Cable Specification

Product Category	**CAT 8**	Connector	RJ45 / RJ45
Certificate	Yes	Shielding	**S/FTP/ 4 pairs**
AWG	**22AWG**	Bandwidth	**Reach 2GHz**
Wire Jacket	PVC	Wire	Strand wire
Conductor Material	**Pure Brass**	Contact Plating	**50u**
Downward compatibility	Yes	Max data rate	**40Gbps**

Key Feature

- Wonderful Hi-Tech CAT 8 complies with **ANSI/TIA 568.2-D** standard
- First manufacturer for CAT 8 product that has **passed ETL certification**
- Certified 30M transmission distance, **bandwidth up to 2GHz** and transmission rate up to **40Gbps**
- **S/FTP shielding** for anti-interference and RoHS green environmental protection
- 22AWG wire / **CMP flame retardant certification** in the world.
- Application: Used for image, multimedia and other information transmission.

Antenna Design

Antenna Design

- Internal Antenna
  PCB/FPC/PIFA/GPS
- External Antenna
  Indoor/outdoor
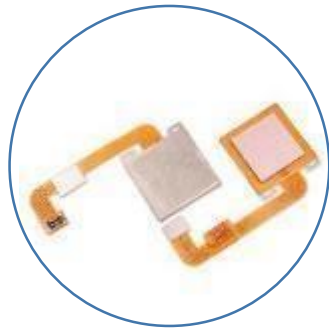- Patch Antenna
- IOT

Wifi	LTE	RF	PCB & FPC	Metal

GPS	MIMO	Small Cell (Patch)	Fiberglass Tube

SMT Service

SMT

- Fingerprint Module
- Camera Module
- LCD liquid crystal Module
- LED backlight Module
- Control Panel
- VR smart glasses Module
- Drone Module

Applications

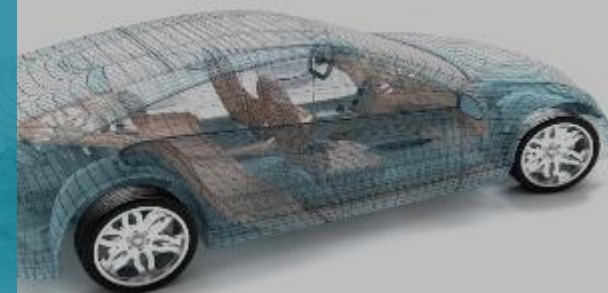萬旭電業股份有限公司
Wanshih Electronic Co., Ltd.

Wanshih specializes in medium and high-end assembling technology in micro coaxial cable

More than 30 years of extensive experience in cable assembling and professional technical solutions. We can provide the professional custom cable solution for various industries.

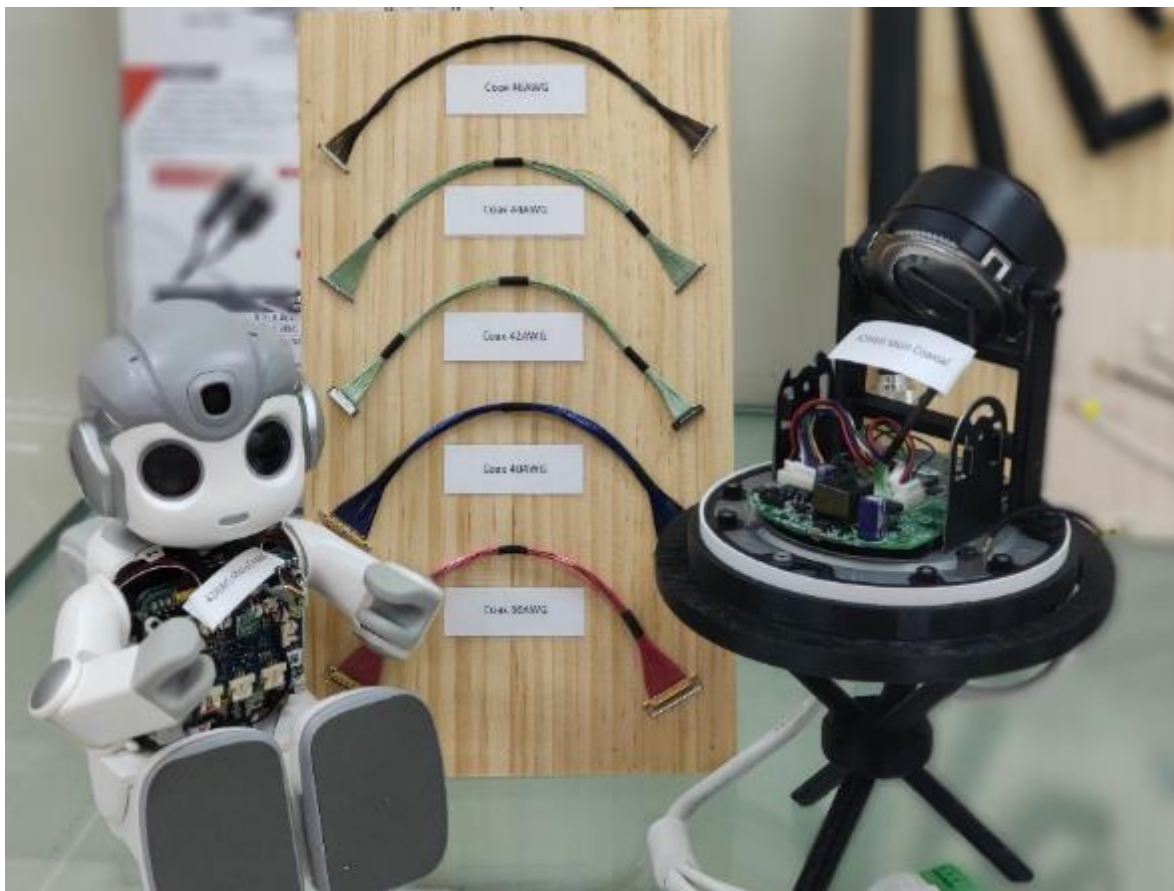Consumer's

Automobile

Intelligent

Surveillance

Medical

Industry

Application examples

▲ Wanshih ４０＃４２＃４４＃４６＃ micro coaxial cables are applied in robot and IP camera products.

▲ coaxial HDMI cable are applied in VR/AR devices.

Application examples

▲ A coaxial HDMI cable, internal and external
antenna products are applied in drone

▲ MIMO / internal antenna
are designed in a router

▲ Internal antenna design and complete SMT
module assembling in a smart wearable devices

Excellent technology and quality

ISO 7 (Class 10000) Cleanroom

Design by Wanshih

Micro coaxial automatic processing production line

Professional design & testing

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Antenna Lab

CTIA certification

Lab. Equipment
Professional test verification
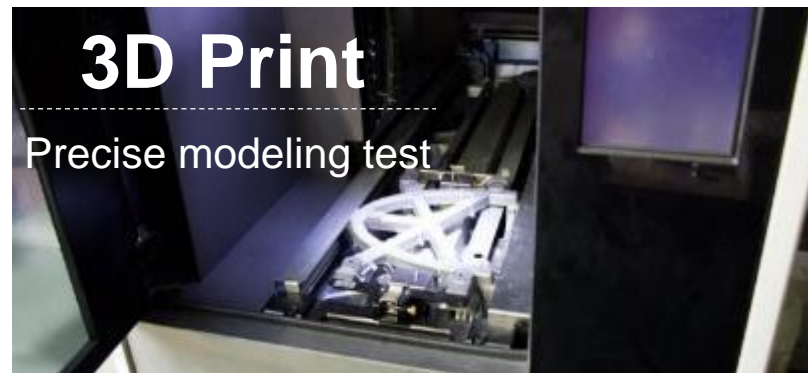
3D Print
Precise modeling test

OTA		
Receive Antenna 0.6GHz-8.5GHz **Flat Panel Antenna** 0.45GHz~8.5GHz	**Passive Test** • Antenna efficiency • Antenna gain • 2D/3D Radiation Pattern **Active Test** GSM/ WCDMA/ TE/Wi-Fi • TRP • TIS	

Throughput	
Receive Antenna 8T8R 2 GHz-18 GHz	**Active Test** IEEE 802.11 a/b/g/n/ac/ax

Passive frequency range: 400MHz ~ 7GHz

Certificate

All certificates we had included quality and environmental standard certificate to make sure that customer possessed high quality products.

✓ IATF16949:2016 Automobile Certificate	✓ ISO13485:2016 Medical Equipment Certif.
✓ ISO14001:2015 Internal Management	✓ IECQ QC080000:2017 Hazardous Substance Management System
✓ ISO45001:2018 Health and Safety Management System	✓ ISO9001:2015 Quality Management
✓ Pass VSCC flame retardant of Vehicle interior materials	
✓ Dell commissioned Intertek RBA Non VAP	✓ SONY SS-00259 GP Certificate
✓ Philips commissioned SGS Pass SER	
✓ USB 4 TID Certificate	✓ Apple MFi Certificate
✓ UL Safety certification	

CUSTOMERS

THANKS

萬旭電業股份有限公司
Wanshih Electronic Co., Ltd.

Thanks for your consideration

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