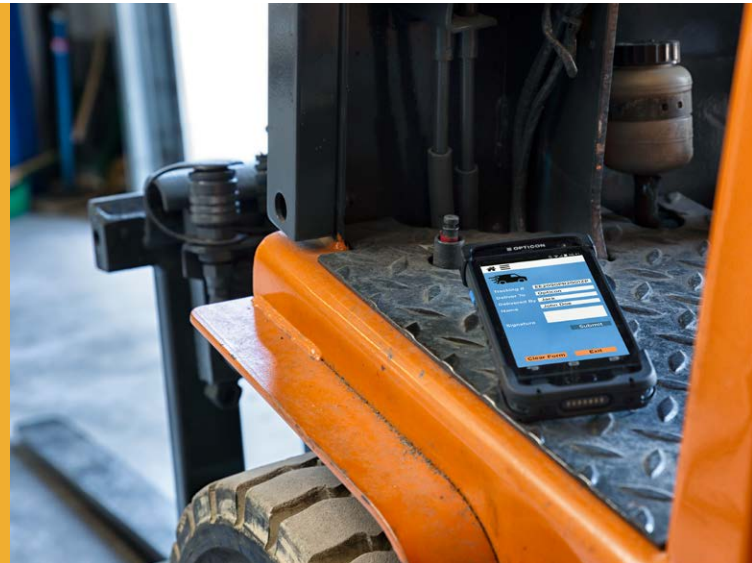


# H-35

## 2D CMOS Imager

Built with a durable and intelligent design, the H-35 is ideal for today's mobile workforce. Implementing a variety of applications that make it an optimal tool to be used in areas such as: field sales, inventory management, and logistics.



## Highlights

- Rugged mobile computer with a fully integrated, Opticon high speed 2D imager barcode scanner
- Android 11 for familiar and convenient navigation
- Qualcomm 2.0 GHz Octa-core
- 5.5" brilliant color touchscreen display with Gorilla® Glass 3
- Communications: Bluetooth 5.1, 4G WLAN, Wi-Fi, NFC, USB, GPS
- Rear facing 13 MP auto-focus digital camera, LED flash with torch
- IP65 rating against dust and moisture, survives multiple 2.4 m drops to concrete, with rugged rubber boot
- Memory: 64GB EMMC, 4GB LPDDR4X RAM and MicroSD
- Compact form factor: 76 x 160 x 15.5 mm (W x H x D) and 287 grams
- User/field-replaceable battery packs, 4,420mAh, no special tool needed,
- Various accessories available
- Supports Quick-Charge 3.0
- Two year warranty



# H-35

## Product Specifications

### Operation

**CPU:** Qualcomm 2.0 GHz Octa-core  
**O/S:** Android 11 GMS certified

### Memory

**EMMC:** 64GB  
**RAM:** LPDDR4X 4GB  
**Expansion:** MicroSD 128 GB

### Display

**Type:** FHD, capacitive multi touch panel (18:9), color screen, IPS LTPS 1440x720, Gorilla Glass 3  
**Size:** 5.5"  
**Brightness:** 450 cd/m<sup>2</sup> (nits) typical

### Operating indicators

**Visual:** 3 LEDs  
**Non-visual:** Vibrate, speaker  
**Audio:** 2 Microphones (1 for noise reduction)

### Operating keys

**Entry options:** 1 power key, 2 volume keys, 2 (programmable) scan keys, 1 function key

### Communication

**Bluetooth:** 5.1  
**W-LAN:** Wi-Fi, IEEE 802.11 a/b/g/n/ac/d/e/h/i/k/r/v, 2.4G/5G dual-band  
**WAN:** Europe/Asia version:  
WCDMA: 850/900/1900/2100MHz  
TD-SCDMA: A/F(B34/B39)  
4G: B1/B3/B5/B7/B8/B20/B38/B39/B40/B41  
**NFC:** ISO14443 (type A, B, Mifare, Felica), ISO15693  
**GPS:** GPS, GLONASS, Beidou, Galileo, internal antenna

### Sensors

Gravity sensor, accelerometer, Light sensor, Proximity, vibration motor

### Power

**Main battery:** Lithium-Ion 3.8V 4,420mAh

**Backup battery:** Rechargeable RTC battery, battery swap  
**Charging technology:** Qualcomm Quickcharge 3.0

### Camera

**Rear facing camera:** 13 MP, auto-focus, LED flash with torch

### 2D Imager optics

**Light source:** Red cross aiming laser and warm white illumination LED  
**Scan method:** CMOS area sensor, 1280 x 800 pixels, black and white  
**Scan rate:** Up to 120 fps  
**Reading pitch angle:** -65 to 0°, 0 to +65°  
**Reading skew angle:** -65 to 0°, 0 to +65°  
**Reading tilt angle:** 360°  
**Curvature:** R>20 mm (UPC)  
**Min. resolution at pcs 0.9:** 0.1 mm/4 mil  
**Min. pcs value:** 0.9  
**Field of view:** Horizontal 50°, Vertical 32°, Diagonal 58°  
**Depth of field at code 39:**  
51 - 224 mm (0.127mm) / 2.0 - 8.8 in (5mil)  
40 - 453 mm (0.254mm) / 1.6 - 17.8 in (10mil)  
56 - 896 mm (0.508mm) / 2.2 - 35.3 in (20mil)  
**Depth of field at PDF417:**  
40 - 210 mm (0.169mm) / 1.6 - 8.3 in (6.7mil)  
37 - 319 mm (0.254mm) / 1.5 - 12.6 in (10mil)  
**Depth of field at QR code:**  
58 - 162 mm (0.169mm) / 2.3 - 6.4 in (6.7mil)  
31 - 353 mm (0.381mm) / 1.2 - 13.9 in (15mil)

### Supported symbologies

**Barcode (1D):** JAN/UPC/EAN incl. add on, Codabar/NW-7, Code 11, Code 39, Code 93, Code 128, GS1-128 (EAN-128), GS1 Databar (RSS), IATA, Industrial 2of5, Interleaved 2of5, ISBN-ISSN-IS-MN, Matrix 2of5, MSI/Plessey, S-Code, Telepen, Tri-Optic, UK/Plessey  
**Postal code:** Chinese Post, Intelligent Mail Barcode, Korean Postal Authority code, POSTNET

**2D code:** Aztec Code, Aztec Runes, Chinese Sensible code, Codablock

F, Composite codes, Data matrix (ECC200), Passport MRZ (OCR-B), maxi Code (mode 2-5), MicroPDF417, MicroQR Code, PDF417, QR Code

### Durability

**Temperature in operation:** -20 to 50 °C / -4 to 122 °F  
**Temperature in storage:** -40 to 70 °C / -40 to 158 °F (without battery)  
**Humidity in operation:** 30% to 80% (non-condensing)  
**Humidity in storage:** 5% to 95% (non-condensing)  
**Drop test:** 2.4m / 7.87 ft drop onto concrete surface, with protective rugged rubber boot. 1.8m / 5.9 ft drop onto concrete surface without rugged rubber boot  
**Protection rate:** IP65

### Physical

**Dimensions (WxHxD):** 76 x 160 x 15.5 mm / 2.99 x 6.3 x 0.61 in  
**Weight body:** Ca. 287 g / 10.1 oz (inc. battery)  
**Color:** Black

### Regulatory & Safety

**Product compliance:** CE, UKCA, CB, FCC, RoHS, WEEE, REACH

### Items

**Enclosed:** Standard battery 4,420mAh, USB-C cable, wrist band

**Optional (conditions may apply):**  
H-35 TOF, pistol grip, pistol grip UHF, pistol grip UHF BT, CRD-35 single charging cradle, CRD-35 ethernet, CRD-35 MC-4, CRD-35 MC-3 + 1x4bat, CRD-35 MC-2 + 1x4bat-1x2 PGbat, CRD-35 MC-4 Ethernet, CRD-35 MC Power supply, CRD-35 1x4 Battery, CRD-35 1x2 Battery PG, CRD-35 Vehicle, Boot cradle fit, Boot, Holster, Handstrap, Bumper