

“HYDROGEN One” holographic smartphone

RED, makers of 3D cameras used to film movies like *Guardians of the Galaxy*, claim to have created the world's first holographic smartphone

► **Display:** Autostereoscopic 5.7in (144.8mm) 4-View LCD 2560x1440 (515ppi). **Delivers 3D image which can be viewed from multiple angles, without 3D glasses**

► **LCD front pane:** Regular design – can be any size or resolution

Movies like *Ready Player One* have been converted to **HYDROGEN 4V**

 **OS:** Android 8.1

► **Diffraction Lightfield Backlighting (DLB) pane**

Charging: USB Type-C



Price from: **\$1,295**

Ambient light and proximity sensor

164.6mm

Power button and fingerprint security scanner

Knurled, scalloped, ergonomic handgrip

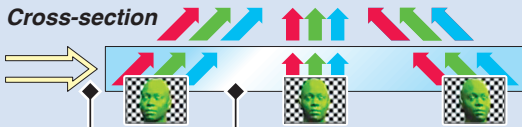
Camera shutter button

How DLB WORKS

LCD front pane illuminated by ultra-thin, nano-structured rear glass **DLB pane**

Light diffracted in 64 different directions, each one showing same image but from slightly alternate view. Image changes angle depending on user viewpoint

Cross-section



Side illumination

Proprietary **LitByLeia** DLB pane

HYDROGEN ONE

Chip: Snapdragon 835

RAM: 6GB

Storage: 128GB/256GB, microSD expansion slot

Battery: 4500mAh (large enough to last several days)

Camera: Dual 12MP rear, dual 8MP front

Headphone jack: Yes

Waterproof: No