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Product Gallery

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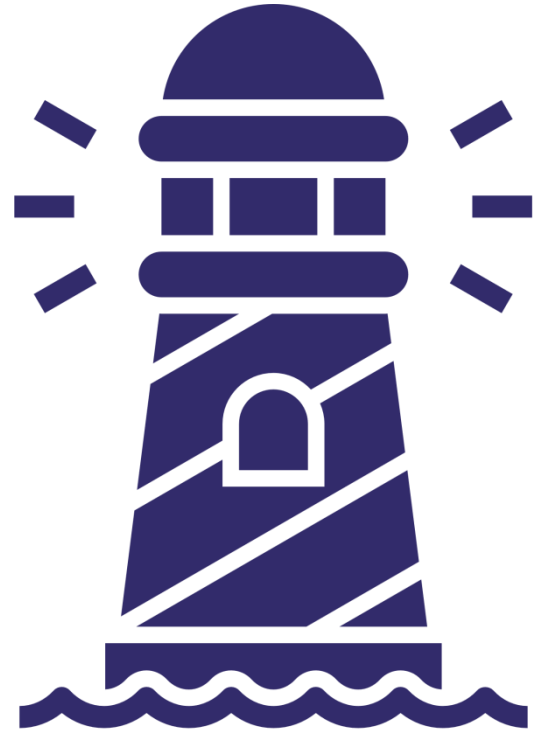

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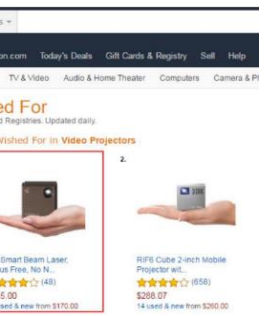
Products & Solutions

Smart Beam Laser 1st Gen.

Specification

Resolution	HD (1280 x 720)
Focus	Focus Free
Brightness	50 Lumens
Panel Type	LCoS
Light Source	RGB Laser Diode
Offset	100%
Throw Ratio	1.4
Contrast Ratio	> 500:1
Projection Size	16” ~ 100”
Engine size	50 x 49 x 30 mm



Status MP available

Highlights

Ranked No.1 Selling Pico Project at Amazon

2016 CES Innovation Award

Smart Beam Laser 2nd Gen

Specification

Resolution	FHD (1920 x 1080)
Focus	Focus Free
Brightness	200 Lumens
Panel Type	LCoS
Light Source	RGB Laser Diode
Offset	100%
Throw Ratio	1.4
Contrast Ratio	> 1000:1
Projection Size	20” ~ 100”
Projector size	100 x 100 x 140 mm

Status Available at 2022, Q3

Highlights

Supply contract with Operator in Korea, Austria & Mongolia

Products & Solutions

Optical Engine (Cube Type)

Specification

Resolution	WXGA (1366 x 768)
Focus	Focus Free
Brightness	150 ANSI Lumens
Panel Type	LCoS
Light Source	RGB Laser Diode
Offset	100%
Throw Ratio	1.30
Contrast Ratio	> 500:1
Power Efficiency	8W Laser Power, 0.2W Panel @ Optical Engine
Projection Size	20” ~ 100”
Engine size	50 x 49 x 20 mm

Status MP available

Highlights

for A.I Laser Beam

Optical Engine (Bar Type)

Specification

Resolution	WXGA (1366 x 768)
Focus	Focus Free
Brightness	100 ANSILumens
Panel Type	LCoS
Light Source	RGB Laser Diode
Offset	0%
Throw Ratio	1.35
Contrast Ratio	> 500:1
Power Efficiency	8W Laser Power, 0.2W Panel @ Optical Engine
Projection Size	20” ~ 100”
Engine size	44 x 85 x 13 mm

Status available at 2022, Q3

Highlights

for Samsung Smart Beam

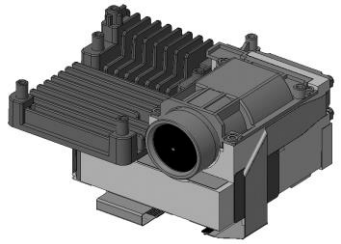
for KT LTE Beam

Products & Solutions

Optical Engine (Cube Type)

Specification

Resolution	FHD (1920 x 1080)
Focus	Focus Free
Brightness	200 ANSI Lumens
Panel Type	LCoS
Light Source	RGB Laser Diode
Offset	100%
Throw Ratio	1.30
Contrast Ratio	> 500:1
Power Efficiency	9W Laser Power, 0.2W Panel @ Optical Engine
Projection Size	20” ~ 80”
Engine size	65 x 49 x 30 mm

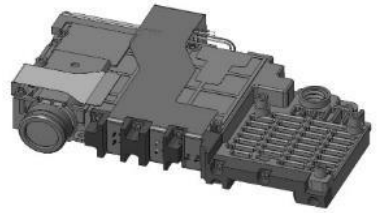


Status available at 2022, Q4

Optical Engine (Bar Type)

Specification

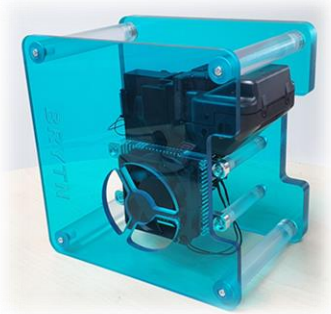
Resolution	FHD (1920 x 1080)
Focus	Focus Free
Brightness	150 ANSI Lumens
Panel Type	LCoS
Light Source	RGB Laser Diode
Offset	0%
Throw Ratio	1.35
Contrast Ratio	> 500:1
Power Efficiency	9W Laser Power, 0.2W Panel @ Optical Engine
Projection Size	20” ~ 80”
Engine size	115 x 72 x 16 mm



Status Proto stage, available at 2022, Q4

Products & Solutions

UST (Ultra Short Throw)

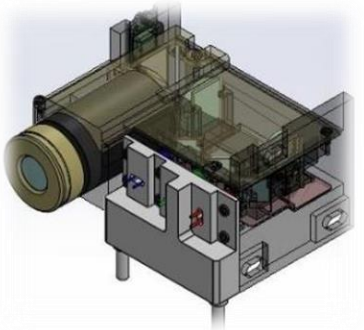


Specification

Resolution	FHD (1920 x 1080)
Focus	Focus Free
Brightness	200 ANSI Lumens
Panel Type	LCoS
Light Source	RGB Laser Diode
Offset	110%
Throw Ratio	0.27
Contrast Ratio	> 500:1

Status National Project in progress

HUD PGU Optical Engine



Specification

Resolution	HD (1280 x 720)
Focus	Focus Free
Brightness	50 ~ 100 ANSI Lumens
Panel Type	LCoS
Light Source	RGB Laser Diode
Projection Angle	(D) 30°
Contrast Ratio	> 500:1

Status National Project in progress

Products & Solutions

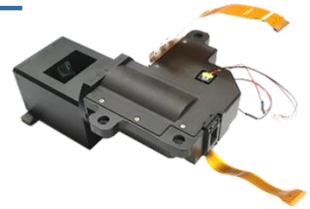
Optical Engine (FHD, 200lm)

Specification

Resolution	FHD (1920 x 1080)
Focus	Focus Free
Brightness	200 ANSI Lumens
Panel Type	LCoS
Light Source	RGB Laser Diode
Offset	100%
Throw Ratio	1.30
Contrast Ratio	> 500:1
Power Efficiency	9W Laser Power, 0.2W Panel @ Optical Engine
Projection Size	20” ~ 100”
Engine size	66 x 62 x 38 mm

Status Development in progress
available at 2022, Q4

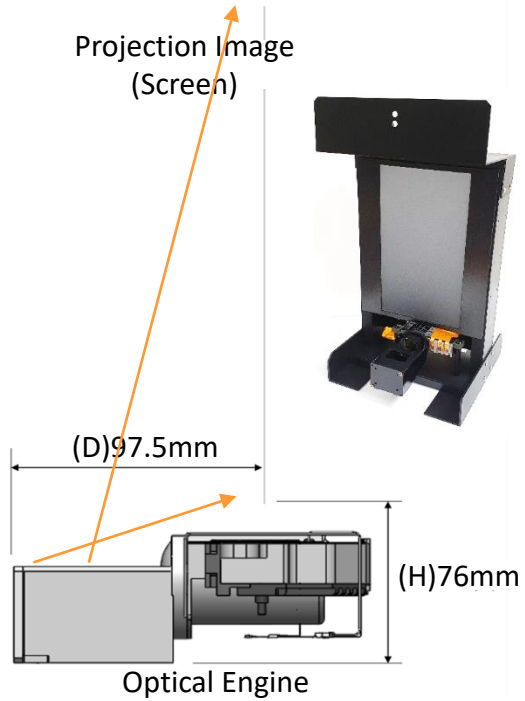
Holographic Display Engine



Specification

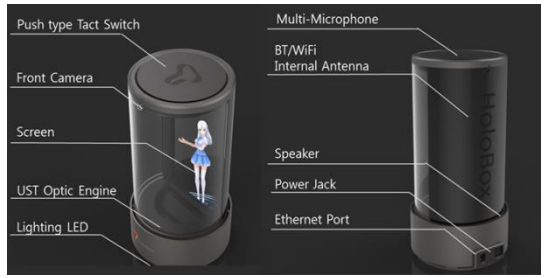
Resolution	WXGA (1366 x 768)
Focus	Fixed Free
Brightness	50 ~ 100 ANSI Lumens
Panel Type	LCoS
Light Source	RGB Laser Diode
Projection size	8.6”
Contrast Ratio	> 250:1

Status National Project in progress



Products & Solutions

Holographic Engine



<Attend 2018 MWC & 2019 CES>

Status Prototype

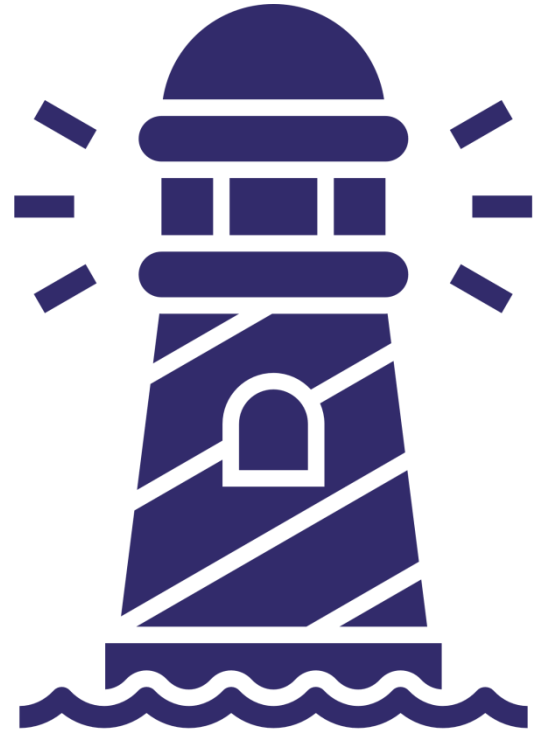
Laser HUD (Before/After market)

Specification

	Before Market Solution	After Market Solution
Brightness	> 15,000 nits	> 15,000 nits
Projection Distance	2.5m ~ 7.7m	2.5m
Eye box size	> 130mm x 40 mm	70mm x 30mm
Look Down Angle	2.5°	6°
FOV (Field of View)	> 10°	> 10.5°
Virtual Image Size	> 55”	0.46m (W)
PGU Type	Laser LCoS	Laser LCoS
PGU Type	< 12L	< 200 mm

Status National Project in progress

Thank You



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