



# PREMIUM PROJECTION SCREENS

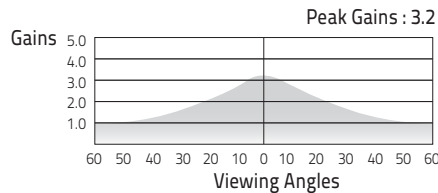
# PREMIUM PROJECTION SCREEN FABRICS

## STEREOSCOPIC 3D SCREENS



Cubic Viewer is a special projection screen, highly optimized for "passive" front projection with 3D systems using polarized light, such as Real D. This fabric is made from being composed to FR-PVC resin and metallic pigment unlike traditional way. So, it is very flexible, washable and strong to scratch with superior image quality, outstanding contrast and color rendition.

Cubic Viewer is the brand name of T-works' stereoscopic 3D screen and it is made by only Korea high technique.



### Specifications

Model	3DVT	3DV	3DVP
Material	FR-PVC mixing AI Pigment	FR-PVC coating on PET	FR-PVC coating on Polyester
Luminance	3.2 Gains	3.2 Gain	2.4 Gain
Color	Silver	Silver	Silver
Weight	0.43kg/ m <sup>2</sup>	0.48kg/ m <sup>2</sup>	0.48kg/ m <sup>2</sup>
Thickness	0.3±0.05mm	0.3±0.05mm	0.5±0.05mm
Maximum Size	50 X 5m (seamless)	50 X 2.05m (seamless)	50 X 3.1m (seamless)
Packing Method	Rolled	Rolled	Rolled

Fire Classification USA NFPA 701 // Korea

### Features

- 3D effects for polarized stereoscopic projection
- Clear performance through high luminance level
- Available in seamless size to 50m X 5m(3DVT)
- Strong to scratch, pollution, abrasion
- Can be cleaned with mild soap and water
- Flame retardant
- Environment friendly products

### Applications

- Tab Tensioned screen  
Wall/Ceiling mounted, Ceiling recessed
- Normal motorized screen  
Wall/Ceiling mounted, Ceiling recessed
- Normal manual screen
- Fixed screen
- Portable screen



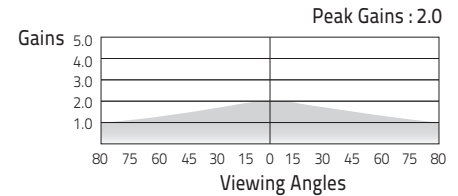
Global Fair & Festival 2009 Incheon, Korea(3DVT 21.0 x 11.0 meter)

## REAR SCREENS



Dual Viewer is a flexible rear screen material formulated to provide efficiency of multi view. They are manufactured to unique formulation based on Hi-PET film or FR-PVC with built-in diffusion to overcome hot-spotting.

Dual Viewer is the brand name of T-works' rear screen and it is made by only Korea high technique.



### Model. DG

Front and rear projection. DG is flexible film dual screen materials that provide excellent white field uniformity as well as very wide viewing angles. This fabric offers excellent performance in the rooms where some ambient light present.

### Model. RTG

Rear projection. RTG is flexible rear screen material formulated to provide much bright image with wide viewing angles. This fabric yields excellent color rendition and image contrast. Screen surface can be cleaned with mild soap and water.

### Model. RT

Rear projection. RT is flexible rear screen material that provides high luminance and contrast. This specially designed optical blue surface offers the high transmission and low reflectance values as a rigid rear projection screen.

### Specifications

Model	DG	RTG	RT
Material	Hi-PET	FR-PVC	FR-PVC
Luminance	1.2 Gains	1.2 Gains	2.0 Gains
Color	Silver	Silver	Silver
Weight	0.16kg/ m <sup>2</sup>	0.48kg/ m <sup>2</sup>	0.48kg/ m <sup>2</sup>
Thickness	0.13±0.02mm	0.3±0.05mm	0.3±0.05mm
Maximum Size	50 X 2m (seamless)	50 X 5m (seamless)	50 X 5m (seamless)
Packing Method	Rolled	Rolled	Rolled

Fire Classification USA NFPA 701 // Korea

### Features

- 3D effects for polarized stereoscopic projection
- Clear performance through high luminance level
- Available in seamless size to 50m X 5m(3DVT)
- Strong to scratch, pollution, abrasion
- Can be cleaned with mild soap and water
- Flame retardant



SAMSUNG H.Q. Lobby(RGT 15.0 x 2.5 meter)

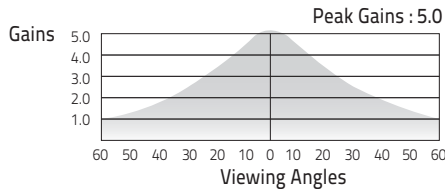
# PREMIUM PROJECTION SCREEN FABRICS

## HIGH-GAIN SCREENS



Metal Viewer is the brand name of T-works' High-Gain screen and it is made by only Korea high technique.

Metal Viewer is special front projection screen formulated to provide high luminance level and clear performance when a certain amount of ambient light will always be present. Projector with lower lumen output can be increased with a quality high gain screen. The flexible PVC-based material with special mixing technology offers high contrast, bright picture and excellent color temperature.



### Specifications

Model	MPT	MP	MPP
Material	FR-PVC mixing Pearl Pigment	FR-PVC coating on PET	FR-PVC coating on Polyester
Luminance	5.0 Gains	5.0 Gains	3.0 Gains
Color	Pearl	Pearl	Light Pearl
Weight	0.43kg/㎡	0.48kg/㎡	0.48kg/㎡
Thickness	0.3±0.05mm	0.3±0.05mm	0.5±0.05mm
Maximum Size	50 X 5m (seamless)	50 X 2.05m (seamless)	50 X 3.1m (seamless)
Packing Method	Rolled	Rolled	Rolled

Fire Classification USA NFPA 701 // Korea

### Features

- Excellent color rendition and high contrast in bright area
- Clear performance through high luminance level
- Available in seamless size to 50m X 5m(MPT)
- Can be cleaned with mild soap and water
- Flame retardant

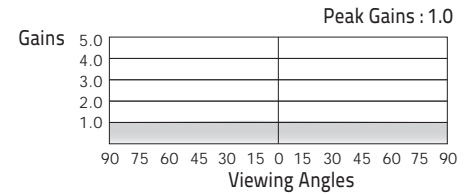
### Applications

- Tab Tensioned screen  
Wall/Ceiling mounted, Ceiling recessed
- Normal motorized screen  
Wall/Ceiling mounted, Ceiling recessed
- Normal manual screen
- Fixed screen
- Portable screen



Tap Tensioned / Motorized / Ceiling recessed Screen

## MATTE WHITE SCREENS



### Model. MW, MWT

MW(T) is one of the most versatile front screen formulated to provide unity gain and white field uniformity standard. It's surface evenly distributes light over a wide viewing area. This fabric offer superior performance in environments where ambient light can be controlled. Screen surface can be cleaned with mild soap and water. Flame retardant.

### Model. GF

GF is an innovative front projection screen surface designed to maximize brightness and flatness. Glass Fiber embedded in surface provides brighter viewing than matte white. This fabric has continuous flatness so that is available for almost all roller-operated front screen. Surface can be cleaned with mild soap and water. Flame retardant.

### Specifications

Model	MW	MWT	GF
Material	FR-PVC coating on Polyester	FR-PVC	FR-PVC coating on Glass Fiber
Luminance	1.0 Gains	1.0 Gains	1.2 Gains
Color	White	White	White
Weight	0.48kg/㎡	0.43kg/㎡	0.48kg/㎡
Thickness	0.3±0.05mm	0.3±0.05mm	0.38±0.05mm
Maximum Size	50 X 2.05m (seamless)	50 X 5m (seamless)	50 X 2.5m (seamless)
Packing Method	Rolled	Rolled	Rolled

Fire Classification USA NFPA 701 // Korea



Matte White Tension / Cylindrical Screen

### T-works Co., Ltd.

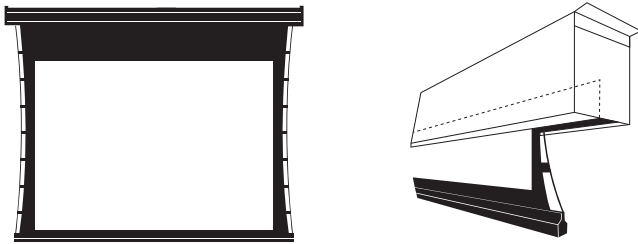
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# SCREEN PRODUCTS

## TAB-TENSIONING SYSTEMS



A sophisticated Tab Tensioning System, designed specifically for flat surface, holds the viewing surface flat and wrinkle free.

A quiet motor and low voltage control makes you comfortable.

30cm(12") black drop at top of screen is standard on tab-tensioned screens. Additional drop is optional depending on overall screen height.

### Specifications

Specifications(inch)	Image Dimensions(mm)	
	AV Format(4:3)	HDTV Format(16:9)
80"	1,630 x 1,220	1,770 x 1,000
100"	2,030 x 1,520	2,210 x 1,240
120"	2,440 x 1,830	2,660 x 1,490
150"	3,050 x 2,290	3,320 x 1,870
180"	3,660 x 1,740	3,980 x 2,240
200"	4,060 x 3,050	4,430 x 2,490
250"	5,080 x 3,810	5,530 x 3,110
300"	6,100 x 4,570	6,640 x 3,740



120" Image



Quiet Motor



Controller

## PORTABLE PROJECTION SCREENS

### Tripod type



The tripod screen offers simplicity of design and convenience. T-works's Leg Lock prevents the tripod legs from bent or broken. Viewing surfaces in Matte White, Glass Fiber or High-gain screen. Additional drop is optional depending on overall screen height.

#### Standard Size(mm)

1,800 x 1,800 / 2,100 x 1,800 / 2,400 x 1,800 / 2,400 x 2,400 / 3,000 x 2,400

### Pull-up Screen

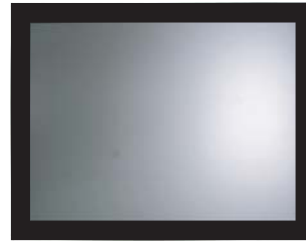


The Pull-up Screen lets you set up easily in seconds - on the floor or table. Rotate feet into position for stability and open the hinged lid. Viewing surfaces in Matte White and Glass Fiber.

#### Standard Size(mm)

1220 x 910 / 1630 x 1220 / 2030 x 1520

## FIXED PROJECTION SYSTEMS



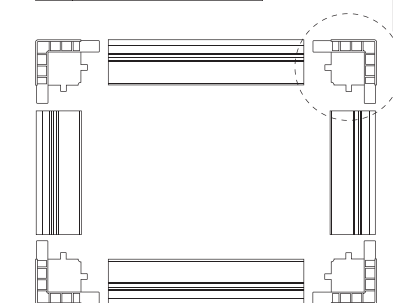
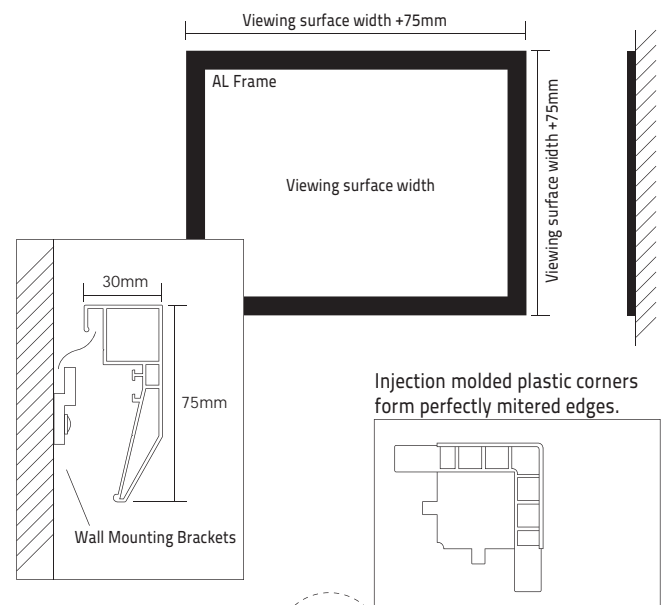
#### System options

- All fabric is applied to this frame.
- Frame finishes
  - : Black aluminum is standard to eliminate reflections.
- Mounting
  - : Permanent wall mount (Bracket included)

An attractive frame and high-quality fabric make this screen having excellent performance.

The 75mm extruded aluminum frame assembles on site with one simple hand tool. Each side piece slip-fits tightly to injection molded plastic corners, forming perfectly mitered edges.

### Diminsions/Method of Installations



## SPECIAL PROJECTION SYSTEMS

### - Rear Projection Systems

T-works designed the Rear Projectin System to provide perfect rear screen picture quality, while saving valuable floor space.

This system can be adjusted during installation. Mirror height and angle, projector height and position(front to back) are all adjustable.

### - Holographic Projection Screens

T-works developed new generation holographic screen foil in 2010. Thesurface quality is so fantastic that reflected image is very clear and vivid. Maximum width is 6 meter seamlessly and length is unlimited.

# 3D STEREOSCOPIC SYSTEM

## 3D POLARIZED FILTER(Electronic Type)



This is electronic polarized modulator that electronically switches the polarization angle of light passing through it. In optimization with Silver screen and single-lens 3D stereoscopic projector, this filter provides high brightness and low Ghost effect using inexpensive passive 3D eyewear.

This filter efficiently switch the polarization angle of light passing through it with perfect sync of 3D projector that have 120Hz vertical frequency. The optical window is also heat-resistant and can operate efficiently at temperatures up to 50 degree..

### Specifications

Model	3D-Window
Lens Size	86 x 84mm(4.71Inch)
Polarization	Circular type
Transmittance	33%(±2%)
Weight	6.2kg
Measurement	400 x 240 x 400mm(W x H x D)
Remote controller	Yes
Color	Black
Voltage	AC 100-240V, 50/60Hz

### Advantages

- Easy to set-up
- Single projector solution available
- Lightweight passive 3D eyewear available
- No time-consuming alignment of overlapped 2 projectors
- Low cost and maintenance

## 3D POLARIZED FILTER(Passive Type)



Passive 3D Filter is currently the most popular form of 3D technology used in many place.

3D Filters provide a different picture to each eye, they make polarized the light passing through them.

This type is so cheap that is installed in small 3D system, using 2 projectors.

The optical window is also heat-resistant and can operate efficiently at temperatures up to 50 degree.

There are two types of linear and circular polarization.

### Specifications

Model	3DF-LP, 3DF-CP
Lens Size	130 x 130mm
Polarization	Linear type, Circular type
Transmittance	42%(±2%)
Weight	0.48kg x 2pcs
Measurement	180 x 180 x 15mm(W x H x D)
Frame	Aluminum & PE
Color	Gray
Glass	Dual heat-resistant glass(Lead free)

## 3D SERVER PLAYERS(Full-HD)



Filigram A is a multi-media player system optimized with playing high definition 3D contents.

Operating system is windows.

In addition, installed software is able to operate various formats of 3D contents.

### Specifications

Model	Filigram A
Video out	Player : D-sub, DVI, RGB, Comp, HDMI
Decode type	2Ch Cross Synchronizing Full HD Decoder
Video Format	AVI, MPEG-2, WMVHD, VC-a, H.264(MPGE-4), etc.
Audio	Dolby 5.1ch
Measurement	435 x 178 x 480mm(W x H x D)
Remote controller	IR type(Optional)
Color	Black or White
Power	AC 100-240V, 50/60Hz, Power supply : 500W

### Advantages

- User-friendly Interface(OS : Windows)
- Available to playback of any kind of media formats.
- Usable in both passive and active system.
- Low cost and maintenance

## 3D POLARIZED EYEWEAR



Polarized 3D glasses have one lens that blocks horizontally polarized light and one lens that blocks vertically polarized light. This allows the projector to provide a different picture to each eye. High quality lens and frame make you more stable watching 3D contents.

### Specifications

Model	3DF-LP, 3DF-CP
Polarization	Linear type, Circular type
Transmittance	42%(±1.5%)
Retardation	125nm
Frame	TR+, ABS
Lens	Hard coating or Soft coating

## T-works co.,Ltd.

Since 2001, T-WORKS CO., LTD. has been owned and managed in Korea.

With the one business philosophy : Do your best to make a quality product and offer it at a reasonable price.

With continuous technological co-operation and R&D, T-WORKS has and hold 11 patents and ISO 9001,14001

Based on various experience in domestic and overseas market,T-WORKS has achieved international reputation and will create the innovation of 3D stereoscopic system and developed media market.

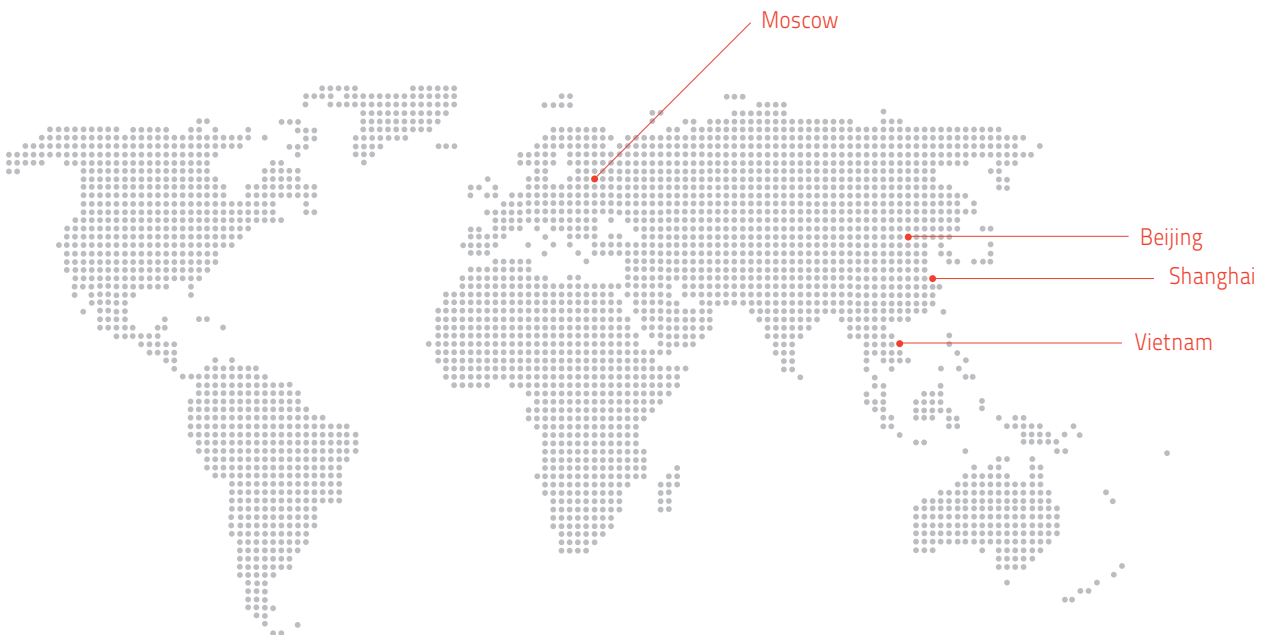
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