stumpfl®

vario **32** ™   vario **64** ™

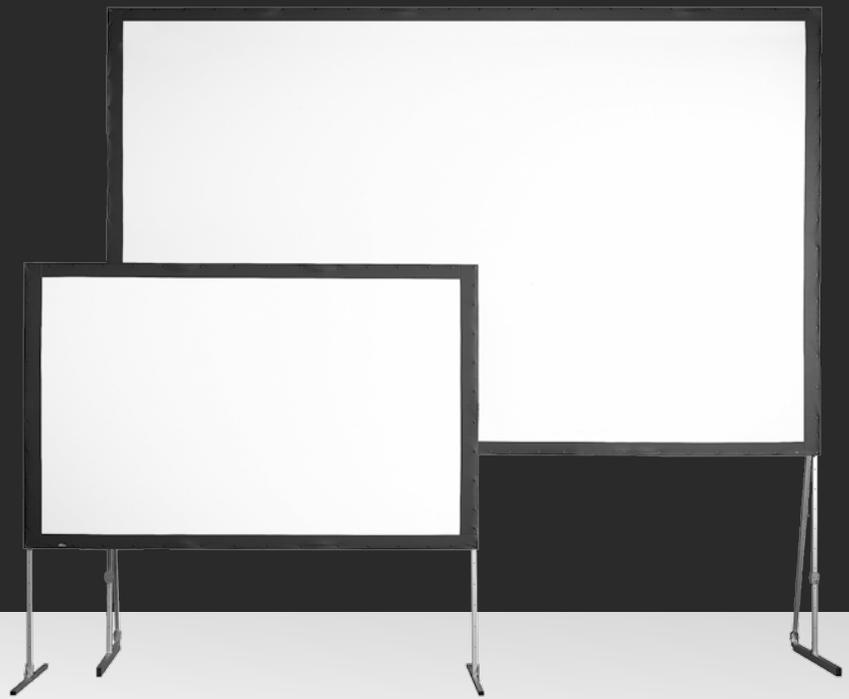# vario
one frame -
various sizes

rental
stage
show
theater
mobile presentation
hotel
seminar room
made to measure

Vario - one frame,
various sizes, made to measure.

Variety in use and flexibility distinguish the modular building block frame system VARIO – one basic frame can be used for a variety of different screen sizes. You only need the corresponding screen material and the necessary extension parts. Additional central supports allow image widths of more than 25 m. Stability, weight and transport volume have been optimized and are in perfect harmony. To ensure optimum packing for each size we have developed two types of profiles made of hardened aluminum alloy - VARIO 32 and VARIO 64.

Easy assembly - no tools required.

Statically optimized frame connectors for VARIO 32 and VARIO 64

Shear joints on the inside guarantee highest frame stability.

One frame – various sizes
Extension set for additional screen format

The modular plug-in frame system

The packed frame convinces through its low transport volume.

Lay out the marked frame elements and connect them.

The elastic screen material is placed on the frame and attached to the frame via snap fasteners. The supplied legs are then fixed to the rear of the frame by means of wing screws.
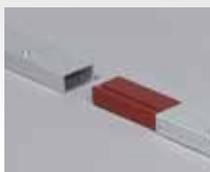
Aluminium profiles

Made of special extruded and hardened aluminum alloy.

vario 32 ™

Standard profile 32 x 32 mm (11/4" x 11/4"). This profile is used for standard formats up to 450 x 335 cm.

vario 64 ™

Standard profile 64 x 32 mm (21/2 " x 11/4 "). Statically optimized, this truss style profile is used as a standard profile for standard formats up to 800 x 600 cm.

Standard screen material

The screen materials that are standard supply have proven their worth all over the world in professional applications by showing long-term stability, strength and brilliant image quality.
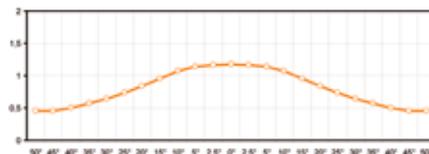
Front projection screen material
FLEX WHITE CI

100% light-tight
Seamless for lengths of up to 210 cm
Weight: ~ 295 g/m²
Thickness: ~ 0.22 mm
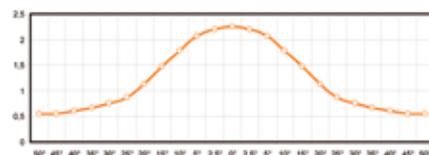Gain factor: 1.02

Rear projection screen material
FLEX REAR CI

Virtually no „hot spot" formation
Seamless for lengths up to 210 cm
(Optional Seamless Optics™ for lengths exceeding 210 cm)
Weight: ~ 370 g/m²
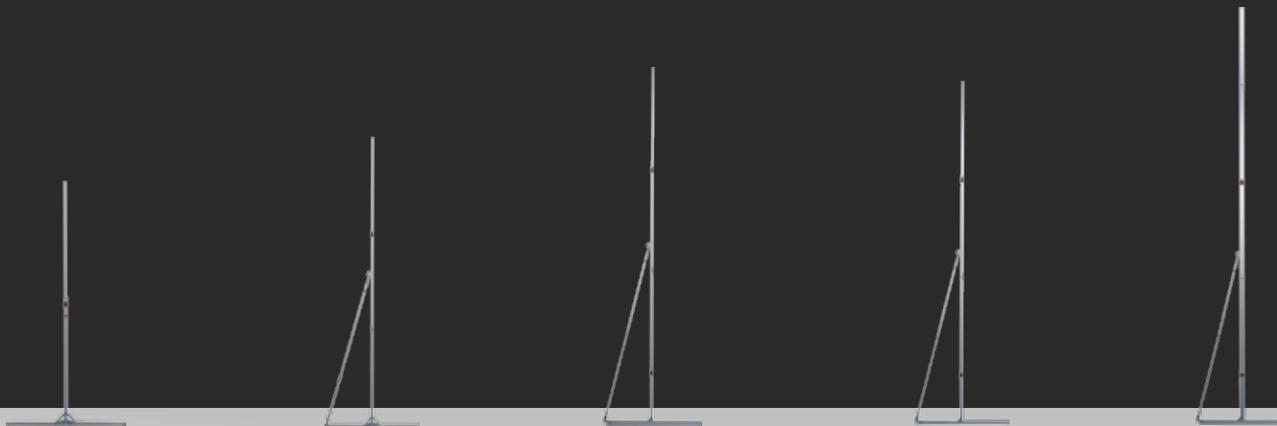Thickness: ~ 0.28 mm
Gain factor: 1.18

Rear projection screen material
FLEX REAR MO

Seamless for lengths up to 305 cm
Weight: ~ 380 g/m²
Thickness: ~ 0.28 mm
Gain factor: 2.25

Optional versions

Depending on application and requirements there are 5 different folding legs available:

T32-Leg:
Overall height: 220 cm,
min. mounting height: 6 cm,
max. mounting height: 82 cm
Standard supply
vario 32™

AT32-Leg:
Overall height: 320 cm,
min. mounting height: 6 cm,
max. mounting height: 113 cm

AT32/64-Leg:
Overall height: 430 cm,
min. mounting height: 9 cm,
max. mounting height: 146 cm,
Standard supply
vario 64™

AT48-Leg:
Overall height: 415 cm,
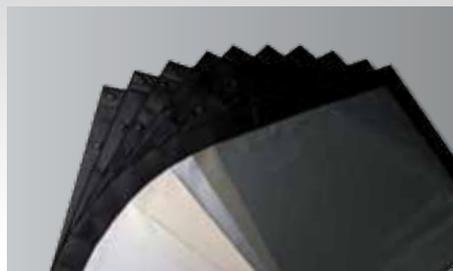min. mounting height: 9 cm,
max. mounting height: 161 cm

AT64-Leg:
Overall height: 550 cm,
min. mounting height: 9 cm,
max. mounting height: 176 cm

InviSnap™
This new and patented way of mounting the screen material offers a level projection screen without visible snap fastener heads.

Screen materials
Wide choice of projection materials and border variants.

Snap fasteners, edge reinforcement, border widths
There is a variety of snap fasteners, reinforced border in black and white and border widths of 5 cm, 7.5 cm and 10 cm available.

Transport case
Stackable and sturdy flight cases with integrated rollers are available in two sizes.

Seamless Optics™
Welded seams are standard for larger screen surfaces and do not cause any problems for projection (Ill. 1). A special welding procedure allows production of homogenous display areas with a seamless look (Ill. 2).

Frame design
Frame and legs are also available anodized in black. This „look" is particularly suitable for hotels, concert halls, stages and exhibitions.

Flying Screen
The system can be provided with ring eyelets at the top frame edge to allow usage as „flying screen". Only available in combination with VARIO Lock and screw connection!

VARIO Lock
For super-fast locking of the connector in system VARIO 64.

Screw connection:
For securing the plug-in connection in system VARIO 32 and VARIO 64.

vario 32

cm	cm	ft/in	ft/in	Article number Overall system Front projection	Article number Overall system Rear projection	Weight in kg	Article number Front projection screen material	Article number Rear projection screen material

Video - Format 4:3 (VARIO 32)

210 x 160	200 x 150	6'11" x 5'3"	6'7" x 4'11"	BVS-AV210/R5	BVS-RV210/R5	13	BVF-AV210/R5	BVF-RV210/R5
240 x 180	230 x 170	7'10" x 5'11"	7'7" x 5'7"	BVS-AV240/R5	BVS-RV240/R5	15	BVF-AV240/R5	BVF-RV240/R5
280 x 210	270 x 200	9'2" x 6'11"	8'10" x 6'7"	BVS-AV280/R5	BVS-RV280/R5	16	BVF-AV280/R5	BVF-RV280/R5
320 x 245	310 x 235	10.5' x 8'	10'2" x 7'9"	BVS-AV320/R5	BVS-RV320/R5	17	BVF-AV320/R5	BVF-RV320/R5
360 x 270	350 x 260	11'10"x8'10"	11.5' x 8.5'	BVS-AV360/R5	BVS-RV360/R5	19	BVF-AV360/R5	BVF-RV360/R5
400 x 300	390 x 290	13'1" x 9'10"	12'10" x 9.5'	BVS-AV400/R5	BVS-RV400/R5	20	BVF-AV400/R5	BVF-RV400/R5
450 x 335	440 x 325	14'9"x 11'	14'5" x 10'8"	BVS-AV450/R5	BVS-RV450/R5	24	BVF-AV450/R5	BVF-RV450/R5

HDTV - Format 16:9 (TAR – True Aspect Ratio)

280 x 160	270 x 150	9'2" x 5'3"	8'10" x 4'11"	BVS-AC280/R5	BVS-RC280/R5	15	BVF-AC280/R5	BVF-RC280/R5
310 x 180	300 x 170	10'2" x 5'11"	9'10" x 5'7"	BVS-AC310/R5	BVS-RC310/R5	16	BVF-AC310/R5	BVF-RC310/R5
365 x 210	355 x 200	12' x 6'11"	11'8" x 6'7"	BVS-AC365/R5	BVS-RC365/R5	18	BVF-AC365/R5	BVF-RC365/R5
420 x 240	410 x 230	13' 9' x 7'10"	13'5" x 7'7"	BVS-AC420/R5	BVS-RC420/R5	20	BVF-AC420/R5	BVF-RC420/R5
460 x 270	450 x 260	15'1"x8'10"	14'9" x 8.6'	BVS-AC460/R5	BVS-RC460/R5	22	BVF-AC460/R5	BVF-RC460/R5

Square Format 1:1 (Vario 32)

210 x 210	200 x 200	6'11" x 6'11"	6'7" x 6'7"	BVS-AQ210/R5	BVS-RQ210/R5	14	BVF-AQ210/R5	BVF-RQ210/R5
250 x 250	240 x 240	8'2" x 8'2"	7'10" x 7'10"	BVS-AQ250/R5	BVS-RQ250/R5	17	BVF-AQ250/R5	BVF-RQ250/R5
300 x 300	290 x 290	9'10" x 9'10"	9.5' x 9.5'	BVS-AQ300/R5	BVS-RQ300/R5	18	BVF-AQ300/R5	BVF-RQ300/R5
350 x 350	340 x 340	11.5' x 11.5'	11'2" x 11'2"	BVS-AQ350/R5	BVS-RQ350/R5	21	BVF-AQ350/R5	BVF-RQ350/R5
400 x 400	390 x 390	13'1" x 13'1"	12'10" x12'10"	BVS-AQ400/R5	BVS-RQ400/R5	22	BVF-AQ400/R5	BVF-RQ400/R5

Slide Projection Format 3:2 (Vario 32)

240 x 160	230 x 150	7'10" x 5'3"	7'7" x 4'11"	BVS-AD240/R5	BVS-RD240/R5	14	BVF-AD240/R5	BVF-RD240/R5
310 x 210	300 x 200	10'2" x 6'11"	9'10" x 6'7"	BVS-AD310/R5	BVS-RD310/R5	16	BVF-AD310/R5	BVF-RD310/R5
370 x 250	360 x 240	12'2" x 8'2"	11'10" x 7'10"	BVS-AD370/R5	BVS-RD370/R5	21	BVF-AD370/R5	BVF-RD370/R5
450 x 300	440 x 290	14'9" x 9'10"	14'5" x 9.5'	BVS-AD450/R5	BVS-RD450/R5	24	BVF-AD450/R5	BVF-RD450/R5

Panorama Formats 3:1, 2:1 (VARIO 32)

*	500 x 250	490 x 240	16'5" x 8'2"	16'1" x 7'10"	BVS-AZ500/R5	BVS-RZ500/R5	25	BVF-AZ500/R5	BVF-RZ500/R5
**	600 x 300	590 x 290	19'8" x 9'10"	19'4" x 9.5'	BVS-AZ600/R5	BVS-RZ600/R5	32	BVF-AZ600/R5	BVF-RZ600/R5
**	610 x 210	600 x 200	20' x 6'11"	19'8" x 6'7"	BVS-AP610/R5	BVS-RP610/R5	26	BVF-AP610/R5	BVF-RZ610/R5
**	750 x 250	740 x 240	24'7" x 8'2"	24'3" x 7'10"	BVS-AP750/R5	BVS-RP750/R5	36	BVF-AP750/R5	BVF-RZ750/R5
**	900 x 300	890 x 290	29.5' x 9'10"	29'2" x 9.5'	BVS-AP900/R5	BVS-RP900/R5	43	BVF-AP900/R5	BVF-RZ900/R5

* **From a width of 500 cm and up VARIO 32 is supplied with a centre support.**

** **From a width of 600 cm and up VARIO 32 is supplied with a centre support and a middle leg.**

vario 64

cm	cm	ft/in	ft/in	Article number Overall system Front projection	Article number Overall system Rear projection	Weight in kg	Article number Front projection screen material	Article number Rear projection screen material

Video - Format 4:3 (VARIO 64)

	400 x 300	390 x 290	13'1" x 9'10"	12'10" x 9.5'	BVV-AV400/R5	BVV-RV400/r10	40	BVF-AV400/R5	BVF-RV400/R10
	500 x 380	490 x 370	16'5" x 12.5'	16'1" x 12'2"	BVV-AV500/R5	BVV-RV500/R10	43	BVF-AV500/R5	BVF-RV500/10
	600 x 450	590 x 440	19'8" x 14'9"	19'4" x 14'5"	BVV-AV600/R5	BVV-RV600/R10	56	BVF-AV600/R5	BVF-RV600/R10
	700 x 520	690 x 510	23' x 17'1"	22'8" x 16'9"	BVV-AV700/R5	BVV-RV700/R10	65	BVF-AV700/R5	BVF-RV700/R10
*	800 x 600	790 x 590	26'3" x 19'8"	25'11" x 19'4"	BVV-AV800/R5	BVV-RV800/R10	91	BVF-AV800/R5	BVF-RV800/R10

HDTV - Format 16 : 9 (TAR – True Aspect Ratio)

365 x 210	355 x 200	12' x 6'11"	11'8" x 6'7"	BVV-AC365/R5	BVV-RC365/R10	27	BVF-AC365/R5	BVF-RC365/R10
420 x 240	410 x 230	13' 9' x 7'10"	13'5" x 7'7"	BVV-AC420/R5	BVV-RC420/R10	30	BVF-AC420/R5	BVF-RC420/R10
460 x 270	450 x 260	15'1" x 8'10"	14'9" x 8.6'	BVV-AC460/R5	BVV-RC460/R10	35	BVF-AC460/R5	BVF-RC460/R10
540 x 310	530 x 300	17' 9'x 10'2"	17'5" x 9'10"	BVV-AC540/R5	BVV-RC540/R10	39	BVF-AC540/R5	BVF-RC540/R10
650 x 370	640 x 360	21'4"x 8'10"	21' x 8'6"	BVV-AC650/R5	BVV-RC650/R10	50	BVF-AC650/R5	BVF-RC650/R10

Square Format 1:1 (Vario 64)

*	400 x 400	390 x 390	13'1" x 13'1"	12'10" x 12'10"	BVV-AQ400/R5	BVV-RQ400/R10	45	BVF-AQ400/R5	BVF-RQ400/R10
	500 x 500	490 x 490	16'5" x 16'5"	16'1" x 16'1"	BVV-AQ500/R5	BVV-RQ500/R10	54	BVF-AQ500/R5	BVF-RQ500/R10
	600 x 600	590 x 590	19'8" x 19'8"	19'4" x 19'4"	BVV-AQ600/R5	BVV-RQ600/R10	70	BVF-AQ600/R5	BVF-RQ600/R10

Slide Projection Format 3:2 (Vario 64)

500 x 340	490 x 330	16'5" x 11'2"	16'1" x 10'10"	BVV-AD500/R5	BVV-RD500/R10	39	BVF-AD500/R5	BVF-RD500/R10
600 x 400	590 x 390	19'8" x 13'1"	19'4" x 12'10"	BVV-AD600/R5	BVV-RD600/R10	51	BVF-AD600/R5	BVF-RD600/R10

Panorama Formats 3:1, 2:1 (VARIO 64)

*	800 x 400	790 x 390	26'3" x 13'1"	25'11" x 12'10"	BVV-AZ800/R5	BVV-RZ800/R10	63	BVF-AZ800/R5	BVF-RZ800/R10
*	1200 x 400	1190 x 390	39'4" x13'1"	39'1" x 12'10"	BVV-AP1200/R5	BVV-RP1200/R10	83	BVF-AP1200/R5	BVF-RP1200/R10

* **Over a width of 700 cm and up VARIO 64 is supplied with a centre support and a middle leg.**
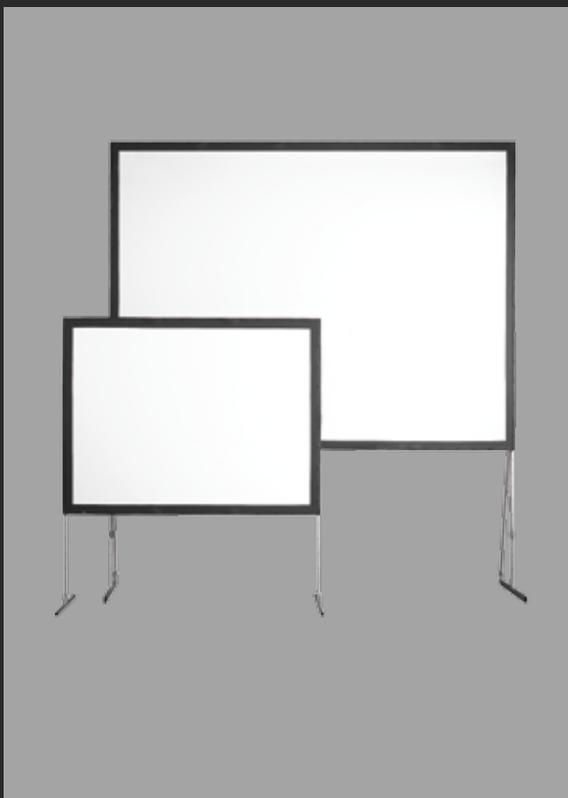**For rear projection image dimensions deviate due to the 10 cm wide black border!**

Special sizes on demand!

Scope of delivery vario 32 **:**

- Multi-piece aluminum frame
- Screen material incl. 5 cm wide black reinforced border and snap fasteners
- 1 pair of T-legs
- Thumb screws in yellow bag
- Bag for projection screen in white
- Transport bag in black
- Manual

Short description:

Scope of delivery vario 64 **:**

- Multi-piece aluminum frame
- Screen material incl. 10 cm wide black reinforced border and snap fasteners
- 1 pair of AT32/64-legs
- fixing clamps
- Thumb screws in yellow bag
- Bag for projection screen in white
- Transport bag in black
- Manual

Vario 32:

Multi-piece aluminum frame, plug-in system (32 x 32-mm profile), incl. 1 pair of T-legs and thumb screws for connecting frame and leg, transport bag. Elastic screen material incl. 5 cm reinforced black border and snap fasteners incl. bag, attachment of screen material to frame by means of snap fasteners.
Front projection screen material Flex White CI - 100% light-tight, cleanable, flame resistant.
Gain factor: 1.02, viewing angle: +/- 50°
Rear projection screen material – Flex Rear CI or Flex Rear MO – cleanable, flame resistant
Gain factor: 1.6 or 2.25, viewing angle: +/- 45°
Size of projection area (image dimensions): ____x____ cm, W x H
Frame size (outer dimensions): ____x____ cm, W x H
Manufacturer: AV Stumpfl
Type: Vario 32

Vario 64:

Multi-piece aluminum frame, plug-in system (64 x 32-mm profile), incl. 1 pair of AT32/64-legs, fixing clamps and wing screws for connecting frame and legs, transport bag(s). Elastic screen material incl. 5 cm wide black reinforced border and snap fasteners incl. bag; attachment of screen material to frame by means of snap fasteners.
Front projection screen material Flex White CI - 100% light-tight, cleanable, flame resistant.
Gain factor: 1.02, viewing angle: +/- 50°
Rear projection screen material (10 cm wide reinforced black border) - Flex Rear CI or Flex Rear MO - cleanable, flame resistant.
Gain factor: 1.6 or 2.25, viewing angle: +/- 45°
Size of projection area (image dimensions): ____x____ cm, W x H
Frame size (outer dimensions): ____x____ cm, W x H
Manufacturer: AV Stumpfl
Type: Vario 64