

# CH VSP

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# VSP Overview

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*user-friendly scanner, it's small and light  
in small-sized dental clinic efficiently.*

*4-inch LCD touch screen as a high-end  
to show the largest preview image.*

*enables rapid image transfer from scanner  
and Vatech VSP as a **simple, fast, and**  
**patients on chairside.***



*Image preview on a 4-i*



*High durability minimizes  
service occurrences*



*Support multi-user practice*



*Easy to install and use (automatically)*

**kg**  
and light

**5**  
user practices

**1/2/3**  
ported IP size



**4-**  
LCD touch

**20 lp**  
Resolution

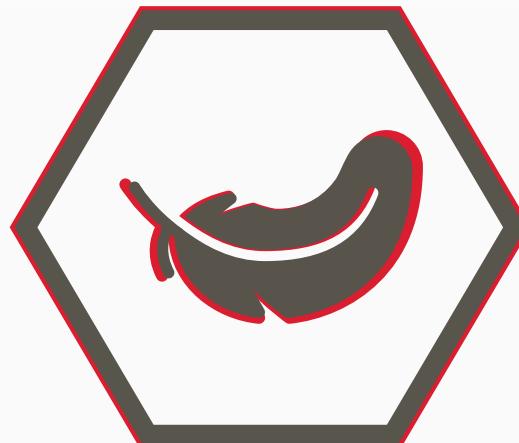
**233x144**  
Dimension (HxV)

# **the smallest PSP**

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*3.3 kg and with dimension of  
Vatech VSP is one of the smallest  
scanners.*

*easily moved and installed in every  
constraints.*



**3.3 kg**  
*small and light*

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# IMAGES

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*The scanning system will bring  
convenience to doctors and patients.*

*It will bring perfect images for patient diagnosis. In  
addition, the image quality will be in SR or HR  
Resolution / 10lp/mm in High  
so you can use it without worrying*



**20 lp/mm**  
Resolution (SR/HR)

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VSP

# review touch screen

4-inch LCD touch screen as a high-resolution screen shows the largest preview of the

technologies brings satisfaction for patients.



**4-inch**  
LCD touch screen



# **Multi photon counter**

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*P Scanner was created using MPPC.*

*Multi pixel photon counters. What  
comes from the existing PMT is immunity to  
high resistance to mechanical shock.*

*lower than 10 times voltage  
more than that 10 times high gain can  
be compared to PMT (Photo Multiplier  
Tube) in small size.*

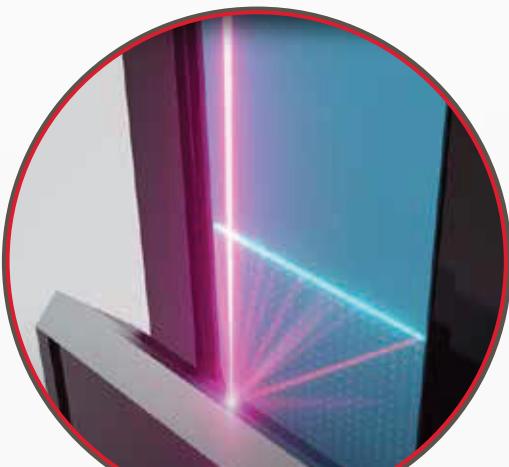


**MPPC**  
*The world's first*

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# MPPC

For example, MPPCs can be driven at a low bias voltage, are small in size, and are inexpensive without the need for surrounding magnetic fields, so they offer advantages from the standpoint of



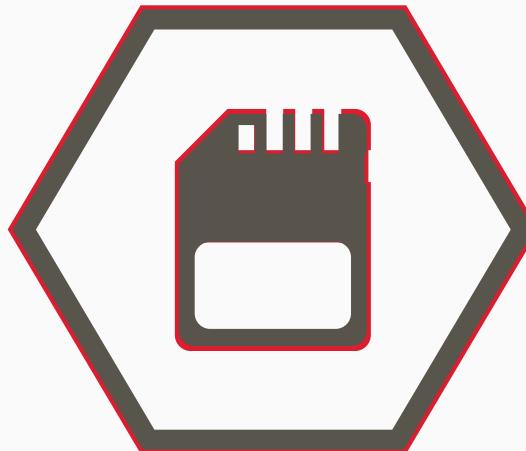
<b>Shape</b>	Tube
<b>Gain</b>	$\sim 10^6$
<b>Photon Detection Eff.</b>	$\sim 30\%$
<b>Response</b>	Fast
<b>Photon Counting</b>	Yes
<b>Magnetic Field</b>	Sensitive
<b>Robustness</b>	Weak
<b>Bias Voltage</b>	$\sim 1,500V$
<b>Size</b>	Not small
<b>Cost</b>	Expensive

## **Up to 500 HR images**

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*...s a built in memory, so you can  
...n images without PC connection.*

*...fy that imaging is done normally  
...review screen even when scanning  
...ages are stored normally on the  
...tal clinics can reduce the list of*



**500  
images**  
can be stored in VSP

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# imaging plate

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lates come in 4 different sizes.

soft imaging plates optimally stick

es to provide high quality images

maximum comfort for the patient.

ighly durable and reduce the risk of

me time Ultra-thin imaging plates

and over while keeping great

rything put together makes the

nomical.



0/1/2/3

Supported IP size



1PPC sensor for high  
image quality



4 inch touch screen

Magnet rail system  
for anti vibration

Internal IP eraser