

# Title Maker System



## 1. Introduction

CICADA is a title maker system which is specially designed for live match broadcasting.

Working with KAZO's match scoring system Ultra Score and sports statistics system can overlay game data on live video automatically.

It comes with different styles of subtitle templates for kinds of sports items.

Meanwhile, editing subtitle manually is available.

It's easy to install and use, which can achieve professional and beautiful subtitle effects.

## 2. Feature

- **Special for sports matches**

Designed for sports matches specially.

Offering designated and professional match subtitle template according to different sports items.

- **Grabbing match data automatically**

Working with KAZO's match scoring system Ultra Score and sports statistics system to grab match real-time data automatically. Editing subtitle manually is also supported.

- **Flexible subtitle templates**

Offering editable subtitle templates and templates customized service.

- **Multiple output ports**

HD-SDI, SD-SDI, HDMI and NDI outputs are supported.

- **Easy to use**

Only one laptop and a title maker box can achieve the match subtitle display.

No need to carry a bulky subtitle server on site any more.

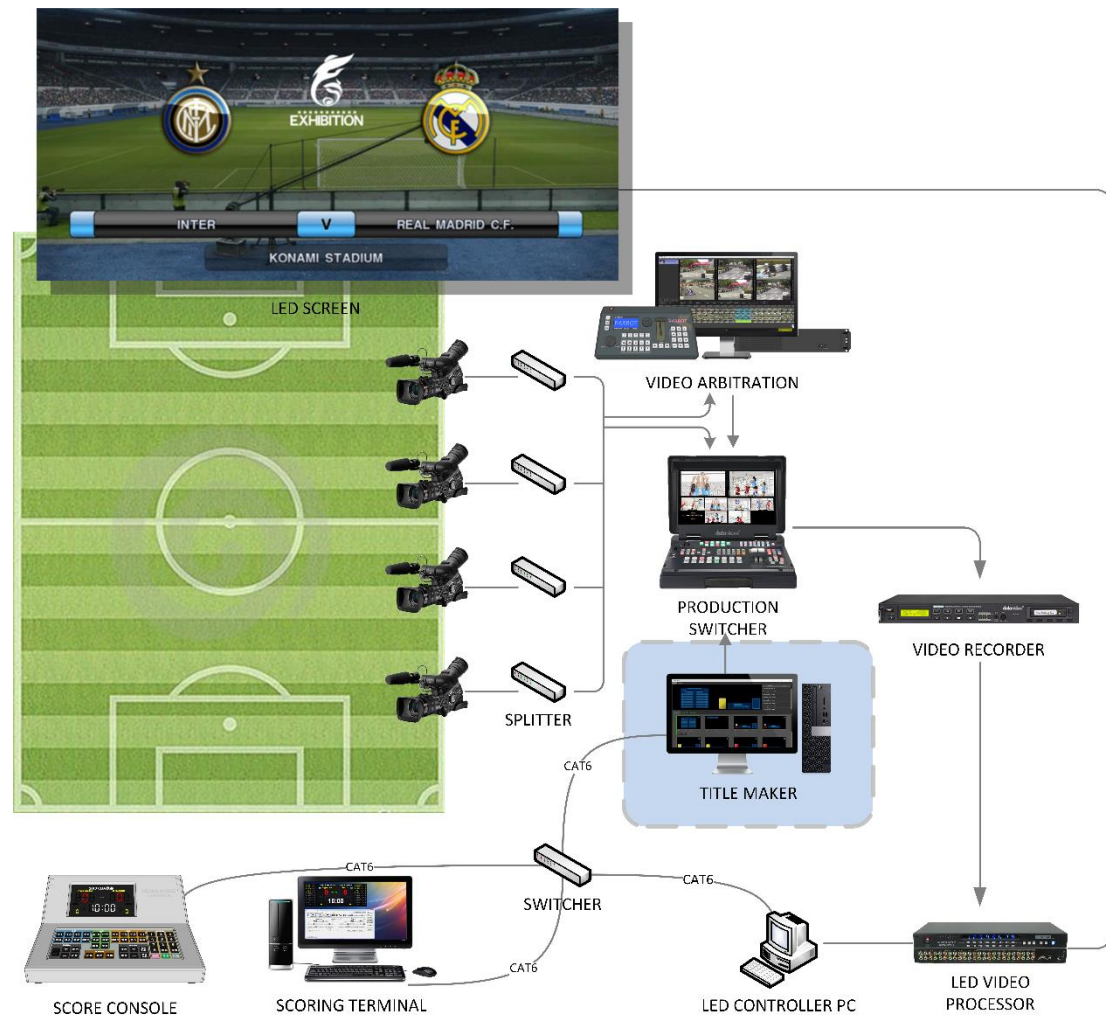
- **Low cost**

To save your cost on purchasing expensive board and server for subtitle making.

- **Opening communication protocol**

Network and serial communication interface protocol are both available which is easy to access to kinds of real-time signals.

### 3. System Diagram



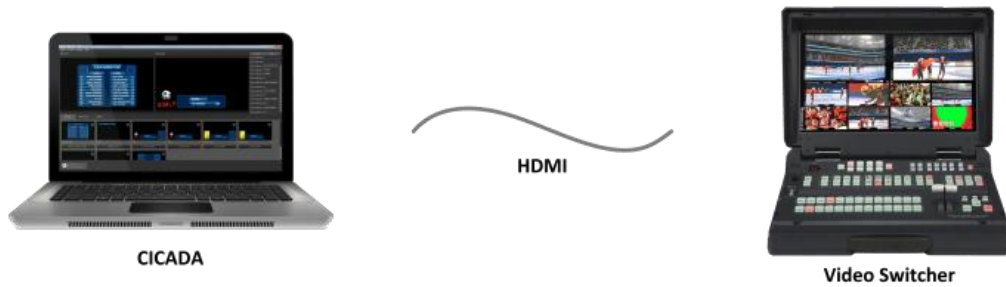
#### 4. System Configuration

Production	Type	Qt.
<b>Match Scoring System</b>		
Ultra Score Software	Standard Network Edition	1
Score Console	KS-GC16	1
Laptop	/	1
<b>Title Maker System</b>		
Title Maker Server	CICADA_Server	1
Video Cable	CABLE-SDI-2	3
LCD Monitor	/	1

## 5. Working Mode

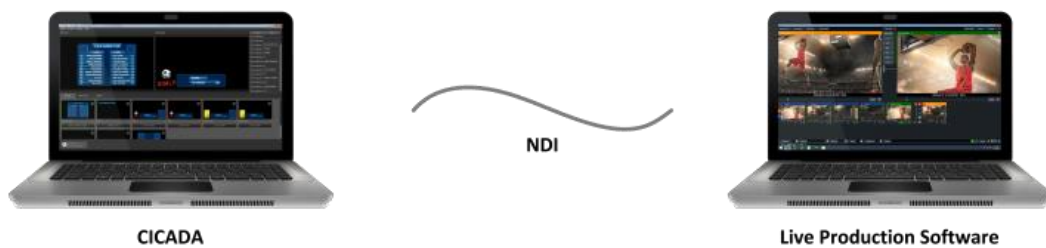
- HDMI\*1 output

(Only use Title Maker Software)



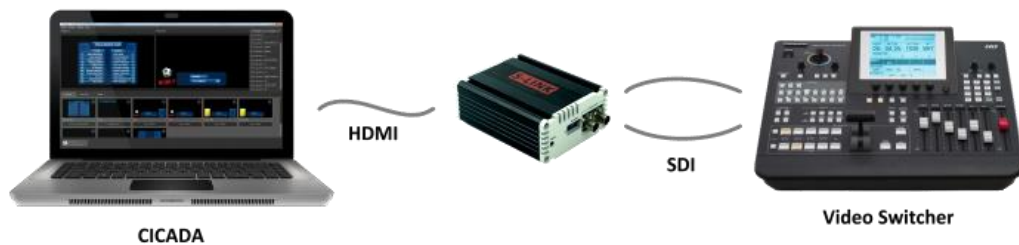
- NDI\*1 output

(Only use Title Maker Software)



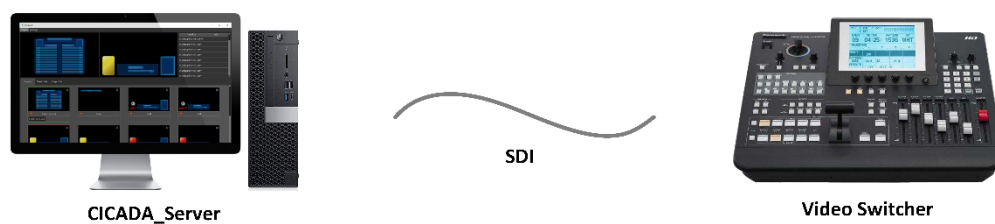
- SDI\*2 output

(Title Maker Software + S-Link Box)






- SDI\*2 output

(Title Maker Server)



## 6. Functions Comparison

Function	Title Maker Software	Title Maker Software + S-Link Box	Title Maker Server
			
Operating system	Win 7 / Win 8 / Win 10	Win 7 / Win 8 / Win 10	Win 10
Manual input	✓	✓	✓
Ultra Score input	✓	✓	✓
Open 3 <sup>rd</sup> -party communication protocol	✓	✓	✓
NDI output	✓	✓	✓
HDMI output	✓	✓	✓
SDI output (Key Fill / source)	✗	✓	✓
DSK	✗	✓	✓
Overlay	✗	✓	✓
Genlock	✗	✗	✓

## 7. Title Maker Software

Item	Details
Title Maker Software	<p>Type: CICADA Output: HDMI/NDI Resolution: 1080P Functions:</p> <ul style="list-style-type: none"> <li>To create match subtitle including, Match name, logo and special graphics; Referee, team and player's information; Timing, scoring, players' foul, time out and substitution of players.</li> <li>To grab match data from Ultra Score software automatically and to display the match time, score and player's information in real-time.</li> <li>To obtain and display sports statistics automatically when working with sports statistics software.</li> <li>To edit and modify sports data manually. Subtitle is allowed to be edited on the background when broadcasting.</li> <li>To display several subtitles at the same time.</li> <li>To preview effects in real-time.</li> </ul>

## Software Interface





Display effects.



The image shows a digital graphic for a LaLiga match between FC Barcelona and Real Madrid. The background is a blurred stadium scene. The graphic is a blue overlay with white text and team crests. It lists the starting lineups for both teams, including jersey numbers and names. The FC Barcelona lineup is on the left, and the Real Madrid lineup is on the right. The title 'LaLiga' is at the top center.

LaLiga			
FC B		REAL MADRID	
10	MESSI	CARYAJAL	15
12	BRAYO	BALE	11
11	NEYMAR JR.	CASEHIRO	14
18	JORDIALBA	BENZEMA	9
3	PIOUE	KROOS	8
8	INIESTA(C)	MARCELD	12
4	I.RAKITIC	C.RONALDO	7
9	SUAREZ	PEPE	3
14	MASCHERANO	NAVAS	1
5	SEROIO	S.RAMOS	4
6	DANI ALYES	MODRIC	19



## 8. Title Maker Box

Item	Details
Title Maker Box	<p>Type: S-Link</p> <p>Output: SDI*2</p> <p>Resolution: 1920×1080i/50Hz; 1920×1080i/60Hz</p> <p>Function:</p> <ul style="list-style-type: none"><li>● To create a subtitle in both source key and fill key signal.</li><li>● Used with title maker software Cicada.</li></ul>



#### Parameter List

Title Maker Box	S-Link
Input	HDMI*1 HD-SDI*1
Output	HD-SDI*2 (Key source*1, Key fill*1)
Image format	JPG, PNG, BMP
Signal format	1920×1080i/50Hz 1920×1080i/60Hz 1280×720p/50Hz 1280×720p/60Hz
Subtitle mode	DSK or Overlay
Power Supplier	DC12V
Controller System	Used with Title Maker software CICADA
Size	112*85*45mm
Material quality	Aluminum alloy
Weight	0.5kg

## 9. Title Maker Server

Item	Details
Title Maker Server (Monitor not included)	Type: CICADA_Server Operating Systems: Windows 10 Output: SDI*3 Resolution: 1920×1080p/60Hz



### Device Specification

Type	CICADA_Server
Processor	Intel core i7
Ram	4GB
Operating System	Windows 10
Output	SDI*3
Size	9.26x29×29.2(mm)
Net Weight	5.5 KG
Color	Black
Environmental	
Operating Temp	-5°C～45°C
Storage Temp	-40°C～80°C
Relative Humidity	5%～95%, non-condensing
Input Voltage	AC 100V~240V