What is Claimed is:

1. A game system for providing variable odds, which is provided for a player to play at least one round of a gambling game, the gambling game including a plurality of game results and a payout odds set, the payout odds set including a plurality of payout odds corresponding to the plurality of game results, in each round of the gambling game, each of the plurality of game results including a probability of occurrence, and a rate of Return to Player (RTP) of the gambling game calculated according to the probability of occurrence, the game system including:

a display unit, displaying a game screen of the gambling game, and the game screen including a plurality of betting areas corresponding to the plurality of game results;

an input unit, provided for the player to bet on the plurality of betting areas to generate a bet signal;

an odds replacing unit, provided for replacing at least one of the plurality of payout odds with an adjusted payout odds respectively to generate an adjusted payout odds set, wherein each adjusted payout odds is selected from at least one variable odds set generated by the odds replacing unit each of the at least one variable odds set includes a plurality of variable odds, and each variable odds has a probability to be selected as the adjusted payout odds, and wherein the display unit displays the adjusted payout odds set in the betting area correspondingly, and wherein the at least one variable odds set meets a plurality of requirements that numbers of the variable odds are more than two,

and numerical values of parts of the variable odds are lower than numerical values of the corresponding payout odds; and wherein a variable value of the rate of RTP calculated according to the variable odds, meets a specified condition;

a game result generating unit, selecting one of the plurality of game results according to the probability of occurrence in each round of the gambling game as a round result thereof;

a payout unit, paying out according to the bet signal, the round result, and the adjusted payout odds set; and

a game processing unit, connected to the display unit, the input unit, the odds replacing unit, the game result generating unit and the payout unit, and the game processing unit operating the display unit, the input unit, the odds replacing unit, the game result generating unit and the payout unit to allow the gambling game to perform the at least one round of the gambling game.

2. The game system for providing variable odds as claimed in claim 1, wherein the specified condition is that the variable value of the rate of RTP is a minimum.

3. The game system for providing variable odds as claimed in claim 1, wherein the input unit allows the player to selectively input an upper limit value, a lower limit value, or amount of the at least one variable odds, and allows the odds replacing unit to generate the at least one variable odds set accordingly.

4. The game system for providing variable odds as claimed in claim 3, wherein the odds replacing unit generates the at least one variable

odds set by a mathematical trial and error method.

5. The game system for providing variable odds as claimed in claim 1, wherein the game processing unit further determines whether the odds replacing unit generates the at least one variable odds set according to a preset condition.

6. A game system for providing variable odds, which is provided for a player to play at least one round of a gambling game, the gambling game including a plurality of game results and a payout odds set, the payout odds set including a plurality of payout odds corresponding to the plurality of game results, in each round of the gambling game, each of the plurality of game results including a probability of occurrence, and a rate of Return to Player (RTP) of the gambling game calculated according to the probability of occurrence, the game system including:

a display unit, displaying a game screen of the gambling game, and the game screen including a plurality of betting areas corresponding to the plurality of game results;

an input unit, provided for the player to bet on the plurality of betting areas to generate a bet signal;

an odds replacing unit, provided for replacing at least one of the plurality of payout odds with an adjusted payout odds respectively to generate an adjusted payout odds set, wherein each adjusted payout odds is selected from one of a plurality of odds tables provided by the odds replacing unit and selected by the player to be enabled, each of the plurality of odds tables includes a variable odds

set corresponding to the payout odds, each of the variable odds sets including a plurality of variable odds, and each of the variable odds has a probability to be selected as the adjusted payout odds, and wherein the display unit displays the adjusted payout odds set in the betting area correspondingly, and wherein each of the plurality of odds tables separately meeting a plurality of requirements that numerical values of parts of the variable odds in each of the variable odds sets of each of the odds tables are lower than numerical values of the corresponding payout odds; and wherein a variable value of the rate of RTP calculated according to the variable odds, meets a specified condition;

a game result generating unit, selecting one of the plurality of game results according to the probability of occurrence in each round of the gambling game as a round result thereof;

a payout unit, paying out according to the bet signal, the round result, and the adjusted payout odds set; and

a game processing unit, connected to the display unit, the odds replacing unit, the input unit, the game result generating unit and the payout unit, and the game processing unit operating the display unit, the odds replacing unit, the input unit, the game result generating unit and the payout unit to allow the gambling game to perform the at least one round of the gambling game.

7. The game system for providing variable odds as claimed in claim 6, wherein the specified condition is that the variable value of the rate of RTP is a minimum.

8. The game system for providing variable odds as claimed in claim

6, wherein the odds replacing unit further provides a basic odds table, which lists the payout odds and is included in a range for the player choosing to enable.

9. A game system for providing variable odds, which is provided for a player to play at least one round of a gambling game, the gambling game including a plurality of game results and a payout odds set, the payout odds set including a plurality of payout odds corresponding to the plurality of game results, in each round of the gambling game, each of the plurality of game results including a probability of occurrence, and a rate of Return to Player (RTP) of the gambling game calculated according to the probability of occurrence, the game system including:

a display unit, displaying a game screen of the gambling game, and the game screen including a plurality of betting areas corresponding to the plurality of game results;

an input unit, provided for the player to bet on the plurality of betting areas to generate a bet signal;

an odds replacing unit, provided for dividing the plurality of payout odds into at least one set according to numerical values thereof, and the odds replacing unit provided for replacing the at least one payout odds of a same set with an adjusted payout odds respectively to generate an adjusted payout odds set, wherein each adjusted payout odds is selected from one of a plurality of variable odds sets of the at least one set selected by the player to be enabled, each of the variable odds sets includes a plurality of variable odds,

and each of the variable odds has a probability to be selected as the adjusted payout odds, and wherein the display unit displays the adjusted payout odds set in the betting area correspondingly, and wherein each of the variable odds sets separately meets a plurality of requirements that numerical values of parts of the variable odds of each of the variable odds sets are lower than the corresponding payout odds; and wherein a variable value of the rate of RTP calculated according to the variable odds, meets a specified condition;

a game result generating unit, selecting one of the plurality of game results according to the probability of occurrence in each round of the gambling game as a round result;

a payout unit, paying out according to the bet signal, the round result, and the adjusted payout odds set; and

a game processing unit, connected to the display unit, the input unit, the odds replacing unit, the game result generating unit and the payout unit, and the game processing unit operating the display unit, the input unit, the odds replacing unit, the game result generating unit and the payout unit to allow the gambling game to perform the at least one round of the gambling game.

10. The game system for providing variable odds as claimed in claim 9, wherein the specified condition is that the variable value of the rate of RTP is a minimum.

11. A method for providing variable odds, which is provided for a player to play at least one round of a gambling game, the gambling game including a plurality of game results and a payout odds set, and a display unit displaying a game screen of the gambling game, the

game screen including a plurality of betting areas corresponding to the plurality of game results, the payout odds set including a plurality of payout odds corresponding to the plurality of game results, and in each of the rounds of game, each of the plurality of game results including a probability of occurrence, and a rate of Return to Player (RTP) of the gambling game calculated according to the probability of occurrence, the method of the gambling game including:

a betting step, generating a bet signal via an input unit through the player betting on the betting areas;

a variable odds replacing step, replacing at least one of the plurality of payout odds with an adjusted payout odds respectively by an odds replacing unit to generate an adjusted payout odds set, wherein each adjusted payout odds is selected from at least one variable odds set generated by the odds replacing unit, and the at least one variable odds set includes a plurality of variable odds respectively, and each of the at least one variable odds has a probability to be selected as the adjusted payout odds, and wherein the at least one variable odds set meets a plurality of requirements that numbers of all the variable odds are more than two, and numerical values of parts of the variable odds are lower than numerical values of the corresponding payout odds; and wherein a variable value of the rate of RTP calculated according to the variable odds, meets a specified condition;

an odds updating step, displaying the adjusted payout odds

set on the display unit after completing the betting step and the variable odds selecting step;

a game result generating step, selecting one of the plurality of game results according to the probability of occurrence by a game result generating unit in each round of the gambling game as a round result for each round of the gambling game; and

a payout step, paying out according to the bet signal, the round result, and the adjusted payout odds set by a payout unit.

12. The method for providing variable odds as claimed in claim 11, wherein the specified condition is that the variable value of the rate of RTP is a minimum.

13. The method for providing variable odds as claimed in claim 11, wherein the input unit allows the player to selectively input an upper limit value, a lower limit value, or amount of the at least one variable odds, and allows the odds replacing unit to generate the at least one variable odds set accordingly.

14. The method for providing variable odds as claimed in claim 13, wherein the odds replacing unit generates the at least one variable odds set by a mathematical trial and error method.

15. The method for providing variable odds as claimed in claim 11, wherein further determining whether to perform the variable odds selecting step according to a preset condition.

16. A method for providing variable odds, which is provided for a player to play at least one round of a gambling game, the gambling game including a plurality of game results and a payout odds set, and a display unit displaying a game screen of the gambling game, the

game screen including a plurality of betting areas corresponding to the plurality of game results, the payout odds set including a plurality of payout odds corresponding to the plurality of game results, and in each of the rounds of game each of the plurality of game results including a probability of occurrence, and a rate of Return to Player (RTP) of the gambling game calculated according to the probability of occurrence, the method of the gambling game including:

an odds selecting step, providing a plurality of odds tables from an odds replacing unit for the player selecting and enabling one of the plurality of odds tables, each of the plurality of odds tables including the variable odds set corresponding to the payout odds, each of the variable odds sets including a plurality of variable odds, and each of the variable odds having a probability to be selected as an adjusted payout odds, and wherein each of the plurality of odds tables separately meeting a plurality of requirements that numerical values of parts of the variable odds in each of the variable odds sets of each of the odds tables are lower than numerical values of the corresponding payout odds; and wherein a variable value of the rate of RTP calculated according to the variable odds meets a specified condition;

a betting step, generating a bet signal via an input unit through the player betting on the betting areas;

a variable odds replacing step, replacing one of the at least one variable odds with the adjusted payout odds respectively to generate an adjusted payout odds set, wherein each adjusted payout

odds is selected from the variable odds sets of the enabled odds table according to the probability through the odds replacing unit to generate an adjusted payout odds set for the gambling game;

an odds updating step, displaying the adjusted payout odds set in the betting area on the display unit after completing the betting step and the variable odds selecting step;

a game result generating step, selecting one of the plurality of game results according to the probability of occurrence by a game result generating unit in each round of the gambling game as a round result for each round of the gambling game; and

a payout step, paying out according to the bet signal, the round result, and the adjusted payout odds set by a payout unit.

17. The method for providing variable odds as claimed in claim 16, wherein the specified condition is that the variable value of the rate of RTP is a minimum.

18. The method for providing variable odds as claimed in claim 16, wherein in the odds selecting step, the odds replacing unit further provides a basic odds table, which lists the payout odds and is included in a range for the player choosing to enable.

19. A method for providing variable odds, which is provided for a player to play at least one round of a gambling game, the gambling game including a plurality of game results and a payout odds set, and a display unit displaying a game screen of the gambling game, the game screen including a plurality of betting areas corresponding to the plurality of game results, the payout odds set including a plurality

of payout odds corresponding to the plurality of game results, and in each of the rounds of game each of the plurality of game results including a probability of occurrence, and a rate of Return to Player (RTP) of the gambling game calculated according to the probability of occurrence, the method of the gambling game including:

an odds selecting step, dividing the plurality of payout odds into at least one set according to numerical values thereof by the odds replacing unit, wherein the at least one set includes a plurality of variable odds sets, one of the at least one set is selected by the player to be enabled, wherein each of the variable odds sets includes a plurality of variable odds, and each of the variable odds has a probability to be selected as an adjusted payout odds, and wherein each of the variable odds sets separately meets a plurality of requirements that numerical values of parts of the variable odds of each of the variable odds sets are lower than the corresponding payout odds; and wherein a variable value of the rate of RTP calculated according to the variable odds, meets a specified condition;

a betting step, generating a bet signal via an input unit through the player betting on the betting areas;

a variable odds replacing step, replacing the at least one payout odds of a same set respectively by an odds replacing unit according to the probability through the odds replacing unit, after enabling the selected variable odds set to generate an adjusted payout odds set for the gambling game;

an odds updating step, displaying the adjusted payout odds

set in the betting area on the display unit after completing the betting step and the variable odds selecting step;

a game result generating step, selecting one of the plurality of game results according to the probability of occurrence by a game result generating unit in each round of the gambling game as a round result for each round of the gambling game; and

a payout step, paying out according to the bet signal, the round result, and the adjusted payout odds set by a payout unit.

20. The method for providing variable odds as claimed in claim 19, wherein the specified condition is that the variable value of the rate of RTP is a minimum.